

CA302HWQ90
C71 1986

URBAN/MUNICIPAL

**Hamilton
Wentworth**



DEPARTMENT OF ENGINEERING

1986

CURRENT BUDGET


ESTIMATES

HAMILTON PUBLIC LIBRARY

JAN 15 1986

GOVERNMENT DOCUMENTS

J.R.G. Leach
Commissioner of Engineering



Digitized by the Internet Archive
in 2024 with funding from
Hamilton Public Library

<https://archive.org/details/1986currentbudge00unse>

CA3 ONHW Q9D
A56

WATER WORKS

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH
1986 CURRENT BUDGET

DEPARTMENT: ENGINEERING

PROGRAM: WATERWORKS

STATEMENT OF PURPOSE:

To continuously supply potable water to domestic, commercial and industrial consumers in sufficient quantity and at adequate pressure to satisfy the user needs.

OBJECTIVES:

To provide continuous uninterrupted operation of the water supply system consisting of a water treatment plant, booster pumping stations, reservoirs and distribution watermains.

To meet or exceed water quality objectives for drinking water as established by the Ministry of the Environment and Environment Canada.

To maintain a normal operating water pressure in the distribution system in a range from 40 p.s.i. to 100 p.s.i.

To store sufficient water to supply water to the municipality for 24 hours without electrical power.

To maintain a distribution network of watermains with sufficient capacity to meet the maximum normal demand or the fire fighting requirements, whichever is greater.

DEPARTMENT SUMMARY

DEPARTMENT: ENGINEERING - WATER WORKS

PROGRAM : EXPENDITURE SUMMARY

EXPENDITURES - GROSS		1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
ADMINISTRATION		634,300	630,000	667,400	0	667,400	5.22%
GENERAL EXPENSES		1,187,900	1,203,110	1,456,100	0	1,456,100	22.58%
WATER STORAGE		57,000	50,499	70,450	0	70,450	23.60%
PUMPING STATIONS		1,117,800	1,149,740	1,232,923	0	1,232,923	10.30%
WELLS		66,600	60,623	70,364	0	70,364	5.65%
WATER TREATMENT		2,830,400	2,788,388	2,878,440	0	2,878,440	1.70%
MAINTENANCE		3,096,400	3,199,566	3,305,009	0	3,305,009	6.74%
TOTAL OPERATING EXPENSES		8,990,400	9,081,926	9,680,686	0	9,680,686	7.68%
FINANCIAL EXPENSES		11,130,600	11,147,640	11,271,614	0	11,271,614	1.27%
TOTAL EXPENDITURES		20,121,000	20,229,566	20,952,300	0	20,952,300	4.13%
REVENUES - GROSS							
3300	FIRE PROTECTION	1,215,900	1,229,150	1,399,950		1,399,950	15.14%
4500	WATER-METERED SERVICES	12,370,000	12,650,000	12,650,000		12,650,000	2.26%
4600	WATER-NON METERED SERVICES	4,724,000	4,730,500	4,853,450		4,853,450	2.74%
4700	SALE OF WATER-OTHER	27,100	24,700	25,700		25,700	-5.17%
5000	LOCAL IMPROVEMENT RECOVERIES	525,000	524,000	593,700		593,700	13.09%
5300	FEES, PERMITS, AGREE., ETC.	230,000	316,000	385,000		385,000	67.39%
6200	PROVINCIAL SUBSIDIES	1,029,000	1,029,000	1,044,500		1,044,500	1.51%
TOTAL REVENUES		20,121,000	20,503,350	20,952,300	0	20,952,300	4.13%
		0	(273,784)	0	0	0	

ACTIVITY COST SUMMARY

PROGRAM : WATER WORKS

ACTIVITY : ADMINISTRATION

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET
8321-	EXPENDITURES					
0101	Salaries and Wages	481,200	484,900	500,000		500,000
0103	Accumulated Sick Leave	4,900	4,900	5,000		5,000
0104	Employee Benefits	89,100	89,700	92,500		92,500
0105	Sick Leave Payments	8,700	4,300	14,000		14,000
0106	Workers' Compensation	6,100	6,100	6,300		6,300
0111	Communications	9,300	8,900	9,300		9,300
0112	Advertising	1,000	200	1,000		1,000
0121	Office Supplies and Stationary	13,500	13,100	14,000		14,000
0127	Protective Clothing	2,000	1,300	2,200		2,200
0133	Office Equipment Maintenance	500	200	600		600
0171	Office Equipment	3,000	2,800	7,500		7,500
0181	Transportation	2,400	2,300	3,000		3,000
0194	Staff Training and Conferences	6,600	6,600	7,000		7,000
0198	Payments - Agreements	6,000	4,700	5,000		5,000
		634,300	630,000	667,400	0	667,400
Total Expenditures		634,300	630,000	667,400	0	667,400

5.22%

5.22%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Administration

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
8321	ADMINISTRATION			
01				
01	Salaries	500,000	Salaries which are distributable to Water Works administration costs.	
03	Accumulated Sick Leave	5,000		
04	Employee Benefits	92,500		
05	Sick Leave Payments	14,000	Sick leave payments for employees retiring in 1986: - G. Stone - R. Brunt	
06	Workers' Compensation	6,300		
11	Communications	9,300	Cost of phones at Water Treatment Plant, pumping stations and reservoirs which are not on main Regional System.	
12	Advertising	1,000	Cost of advertisements for personnel, By-Laws, contracts, etc.	
21	Office Supplies	14,000	Water Works share of office & drafting supplies, photocopier, and printed forms.	
27	Protective Clothing	2,200	Safety boots and protective clothing for administration staff.	
33	Office Equipment Maintenance	600	Repair of desks and chairs in Water Works Section.	
71	Office Equipment	7,500	1. One Gabs file to store plans in the vault. 2. Rental of 8 pagers for construction inspectors.	6,000 1,500
				----- 7,500
81	Transportation	3,000	Rental car pool Water Works share of payments to employees using own car for	1,500

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Administration

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
			transportation.
			1,500
			3,000
94	Staff Training & Conferences	7,000	Required to pay for M.T.C. & M.O.E. courses, and evening courses at McMaster and Mohawk College, other seminars and conferences.
98	Payments - Agreements	5,000	Pipe crossing Railway right-of-ways charges in Region, and payments for other agreements.

ACTIVITY COST SUMMARY

PROGRAM : WATER WORKS

ACTIVITY : GENERAL EXPENSES

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
8322-	EXPENDITURES						
0111	One Call System	14,510	14,700	14,500		14,500	
0142	Chargeback-Insurance	171,680	172,400	343,200		343,200	
0145	Property Taxes	743,500	756,400	824,000		824,000	
0149	Chargebacks-Accts. & Audit	51,610	51,610	61,300		61,300	
0151	Chargeback-Legal Services	10,000	10,000	10,400		10,400	
0152	Chargeback-Personnel Services	28,990	28,990	30,200		30,200	
0160	Chargeback-Hamilton Store Charges	22,490	22,490	21,100		21,100	
0185	Chargeback-Telephone Service	16,250	16,250	16,900		16,900	
0186	Chargeback-City Hall Accommodation	43,770	43,770	45,600		45,600	
0187	Rent	37,200	37,900	37,900		37,900	
0189	Computer Charges	2,500	2,900	3,000		3,000	
0200	Prelim. Eng. & Records Management	13,000	11,100	13,000		13,000	
0319	Water Purchase - Grimsby	14,500	17,800	16,000		16,000	
0800	Checking Plans	8,000	6,800	9,000		9,000	
0198	Provision for Equipment	10,000	10,000	10,000		10,000	
		1,187,900	1,203,110	1,456,100	0	1,456,100	22.58%
Total Expenditures		1,187,900	1,203,110	1,456,100	0	1,456,100	22.58%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: General Expenses

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
8322	GENERAL EXPENSES		
01			
11	One Call System	14,500	Region's share of communication system whereby a contractor (or any individual) can contact all participating utilities in a defined area by calling one telephone number to arrange for a field locate of underground utilities rather than calling the Region, Union Gas, Hamilton Hydro, the Bell Telephone, and Mountain Cablevision.
42	Insurance	343,200	General Insurance cost for Water Works properties, plants, pump stations, etc. Insurance rates have doubled since last year.
45	Property Taxes	824,000	Payment in lieu of taxes for Water Works properties. Increase due to the Region now paying the property taxes for the Dewitt Road reservoir which were previously paid by the M.O.E.
49	Chargeback Acctg. & Audit	61,300	Charges from Finance Department for accounting services and auditors fees.
51	Chargeback Legal Services	10,400	Water Works share of legal services provided by Regional Solicitors Department.
52	Chargeback Personnel Services	30,200	Water Works share of personnel services provided by Regional Personnel Department.
60	Chargeback Hamilton Purchasing	21,100	Water Works share of purchasing services and store charges provided by City of Hamilton Purchasing Department.
85	Chargeback Telephone Service	16,900	Water Works share of Regional telephone system.
86	Chargeback - City Hall	45,600	Water Works share of rental and operating costs for Hamilton City Hall.
87	Rent	37,900	Water Works share of renting facilities other than Hamilton City Hall. - 125 Barton Street West, Hamilton

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: General Expenses

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
			<ul style="list-style-type: none"> - Queenston Road West, Stoney Creek - Dundas, P.U.C.
89	Computer Charges	3,000	Water Works share to cover the cost of rental of the computer inquiry system from the City, charges associated with the Wang Word Processor and to cover the cost of maintenance and supplies for the department's computers. Increase due to 4 additional units in the Department.
98	Provision for Equipment	10,000	This account was established to create a reserve to purchase replacement equipment.
0200	Preliminary Engineering & Records Management	13,000	<ol style="list-style-type: none"> 1. Preliminary engineering and study costs which cannot be charged to specific project. 8,000 2. Water Works share of Consulting Services for a new records management system. 5,000
			----- 13,000
0800	Checking Plans	9,000	Cost of checking plans and counter work which are performed by drafting personnel. More of the public are requesting information and location of services before purchasing properties.

ACTIVITY COST SUMMARY

PROGRAM : WATER WORKS

 ACTIVITY : WATER STORAGE

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
8323-	EXPENDITURES						
0214	Electricity	7,600	6,300	6,550		6,550	
0231	Equipment Maintenance	2,800	1,652	2,800		2,800	
0232	Horticultural Services	25,000	28,032	26,300		26,300	
0233	Buildings & Grounds Maintenance	21,600	14,515	34,800		34,800	
		57,000	50,499	70,450	0	70,450	23.60%
Total Expenditures		57,000	50,499	70,450	0	70,450	23.60%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Water Storage

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
8323	RESERVOIRS AND ELEVATED TANKS			
02				
14	Electricity	6,550	Electricity for reservoirs and elevated tanks. 4.0% rate increase anticipated over 1985 actual.	
31	Equipment Maintenance	2,800	Routine maintenance of electrical and mechanical equipment.	
32	Horticultural Services	26,300	10 Cuttings @ Reservoirs W-H1, W-H1B, W-H5 & W-H9, W-H18 @ \$2630/cut.	
33	Buildings and Grounds Maintenance	34,800	1. Routine maintenance	3,700
			2. Removal of graffiti and repairs due to vandalism	2,100
			3. Concrete repairs to expansion joints in Reservoir W-H1B.	12,000
			4. Fence replacement at Reservoir W-H1	12,000
			5. Safety measures as per Ministry of Labour	5,000
				34,800

ACTIVITY COST SUMMARY

PROGRAM : WATER WORKS
 ACTIVITY : PUMPING STATIONS

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
8324-	EXPENDITURES						
0201	Salaries and Benefits - Operations	244,300	244,300	244,492		244,492	
0202	Salaries and Benefits - Maintenance	202,400	202,400	268,831		268,831	
0203	Accumulated Sick Leave	3,800	3,800	4,300		4,300	
0206	Workers' Compensation	11,200	11,200	10,800		10,800	
0214	Electricity	564,800	607,866	611,000		611,000	
0223	Chemicals	7,300	7,068	8,900		8,900	
0225	Motor Vehicle Operation	9,000	9,000	12,000		12,000	
0231	Equipment Maintenance	49,000	42,579	48,000		48,000	
0232	Horticultural Services	13,000	8,528	11,600		11,600	
0233	Buildings & Grounds Maintenance	13,000	12,999	13,000		13,000	
		1,117,800	1,149,740	1,232,923	0	1,232,923	10.30%
Total Expenditures		1,117,800	1,149,740	1,232,923	0	1,232,923	10.30%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Pumping Stations

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
8324	BOOSTER PUMPING STATIONS			
02				
01	Salaries and Benefits - Operations	244,492	Salaries and Wages - Benefits - Small increase due to supervisory staff reduction.	209,264 35,228 244,492
02	Salaries and Benefits - Maintenance	268,831	Salaries and Wages - Benefits - Significant increase as a result of additional maintenance staff.	228,966 39,864 268,831
03	Accumulated Sick	4,300	1% of salary related expenditures towards the Regional sick leave liability	
06	Workers' Compensation	10,800	3% of wage and 1.25% of salary expenses.	
14	Electricity	611,000	4.0% increase anticipated. Several lost discounts which caused overdraft in 1985 are not anticipated for 1986.	
23	Chemicals	8,900	Purchase of chlorine for rechlorination at P.S. W-H5A, 3,660 kg @ .71/kg	2,600
			Purchase of hypochlorite for P.S. W-H11 & P.S. W-H5, 26,650 kg @ .24/kg	6,300
				8,900
31	Equipment Maintenance	48,000	1. Routine maintenance of electrical & mechanical equipment 2. Chlorination components for P.S. W-H11 3. New regulating valve for P.S. W-A1 5. New suction and discharge valves at P.S. W-H2	30,000 2,000 8,000 8,000
				48,000
32	Horticultural Services	11,600	Grass cutting at various pumping stations	

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Pumping Stations

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
33	Buildings & Grounds Maintenance	13,000	1. Routine Maintenance, cleaning materials, paint, hardware, lighting and heating	10,500
			2. Safety measures as per Ministry of Labour	2,500
				13,000

ACTIVITY COST SUMMARY

PROGRAM : WATER WORKS

ACTIVITY : WELLS

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
8324-	EXPENDITURES						
0501	Salaries and Benefits - Operations	29,500	29,500	26,769		26,769	
0502	Salaries and Benefits - Maintenance	9,100	9,100	11,895		11,895	
0503	Accumulated Sick Leave	300	300	300		300	
0506	Workers' Compensation	1,000	1,000	900		900	
0514	Electricity	14,500	14,060	14,300		14,300	
0525	Motor Vehicle Operation	4,000	4,000	8,000		8,000	
0531	Equipment Maintenance	6,000	1,863	6,000		6,000	
0533	Buildings & Grounds Maintenance	2,200	800	2,200		2,200	
		66,600	60,623	70,364	0	70,364	5.65%
Total Expenditures		66,600	60,623	70,364	0	70,364	5.65%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Wells

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
8324	WELLS			
05				
01	Salaries and Benefits - Operations	26,769	Salaries and Wages - Benefits -	22,282 4,487
				26,769
02	Salaries and Benefits - Maintenance	11,895	Salaries and Wages - Benefits -	10,131 1,764
				11,895
03	Accumulated Sick Leave	300	1% of salary related expenditures towards the Regional sick leave liability.	
06	Workers' Compensation	900	3% of wage and 1.25% of salary expenses.	
14	Electricity	14,300	2.0% rate increase anticipated.	
31	Equipment Maintenance	6,000	1. Routine maintenance of electrical & mechanical equipment. 2. Well monitoring 3. Suggestions implementation	1,880 3,600 520
				6,000
33	Buildings and Grounds Maintenance	2,200	1. Routine maintenance 2. Miscellaneous safety related items	1,250 950
				2,200

ACTIVITY COST SUMMARY

PROGRAM : WATER WORKS

ACTIVITY : WATER TREATMENT

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
8325	EXPENDITURES						
0201	Salaries and Benefits - Operations	612,600	612,600	547,737		547,737	
0202	Salaries and Benefits - Maintenance	239,480	239,480	471,048		471,048	
0203	Accumulated Sick Leave	7,300	7,300	8,200		8,200	
0205	Sick Leave Payments	21,500	21,500	28,755		28,755	
0206	Workers' Compensation	21,700	22,050	21,000		21,000	
0213	Sewer/Water Charges	303,400	300,000	200,000		200,000	
0214	Electricity	789,000	787,500	800,000		800,000	
0215	Fuel	163,000	121,158	135,269		135,269	
0219	Chargeback-Regional Lab Services	220,620	220,620	229,500		229,500	
0223	Chemicals	247,500	284,800	233,532		233,532	
0225	Motor Vehicle Operation	10,000	10,000	11,000		11,000	
0227	Protective Clothing	3,900	4,750	3,900		3,900	
0231	Equipment Maintenance	93,000	79,030	93,000		93,000	
0232	Horticultural Services	19,000	15,000	20,000		20,000	
0233	Buildings & Grounds Maintenance	58,900	42,200	58,900		58,900	
0275	New Equipment	19,500	20,400	16,600		16,600	
		2,830,400	2,788,388	2,878,440	0	2,878,440	1.70%
Total Expenditures		2,830,400	2,788,388	2,878,440	0	2,878,440	1.70%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Water Treatment

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
8325	WATER PURIFICATION			
02				
01	Salaries and Benefits - Operations	547,737	Salaries and Wages - Benefits - Negative increase caused by staff reorganization and reduction in supervisory staff.	471,732 76,005 547,737
02	Salaries and Benefits - Maintenance	471,048	Salaries and Wages - Benefits - Significant increase as a result of additional maintenance staff.	401,197 69,851 471,048
03	Accumulated Sick Leave	8,200	1% of salary related expenditures towards the Regional sick leave liability.	
05	Sick Leave Payments	28,755	Sick leave payments for employees retiring in 1986: - C. Maling - T. Dawson	
06	Workers' Compensation	21,000	3% of wage and 1.25% of salary expenses.	
13	Sewer/Water Charges	200,000	Backwash water discharges to the S.T.P. 33% decrease in volumes resulting from rebuild of filters in 1985.	
14	Electricity	800,000	4.28% rate increase anticipated. Minor operational change will reduce costs by approximately \$20,000.	
15	Fuel	135,269	Purchase of steam from S.T.P. 14,253,800 lbs. @ \$9.49/1000 lbs.	
19	Regional Lab Services	229,500	Regional Laboratory analysis and testing.	
23	Chemicals	233,532		
			Chemical	Est. Usage (kg)
				Est. 1986 Price/kg.
				Est. Cost
			Alum	390000
			Chlorine	230000
			Fluoride	415000
				.2106
				.2705
				.1541
				82,134
				62,215
				63,952

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Water Treatment

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
			Ammonia 21300	.9478
			Sod. Silica. 8000	.3541
			Cal. Hypochl. 1000	2.2103
				20,188
				2,833
				2,210
				233,532
27	Protective Clothing	3,900	Cleaning and replacement of uniforms, purchase of safety boots, parkas, etc.	
31	Equipment Maintenance	93,000	1. Routine maintenance of electrical & mechanical equipment	81,315
			2. Recorder charts, etc.	5,200
			3. Safety works per Ministry	5,200
			4. Replacement of tools & equipment	1,285
				93,000
32	Horticultural Services	20,000	50% of 17 cuts/year @ \$1100/cut, fertilizer, weed spraying, etc.	
33	Buildings and Grounds Maintenance	58,900	1. Routine maintenance, parts, hardware, lighting & cleaning supplies (1985+4%)	30,200
			2. Maintenance of 1859 Pumphouse Museum	10,000
			3. Safety works per Ministry of Labour	10,000
			4. Implementation of employee suggestions	8,700
				58,900
75	New Equipment	16,600	1. Bach Turbidimeter	2,500
			2. 50% of Electric Overload Tester	1,500
			3. 50% of Shaft Alignment Tester	2,300
			4. 50% of applicable machine tools	2,500
			5. 50% of combustion efficiency analyser	1,200
			6. 50% of refrigerant charging equipment	600
			7. Equipment for training facility	2,000
			8. 50% of personnel lifter	4,000
				16,600

PROGRAM : WATER WORKS
 ACTIVITY : DISTRIBUTION SYSTEM ADMINISTRATION

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET
8329-	EXPENDITURES					
0101	Salaries and Wages	196,050	192,283	241,262		241,262
0103	Accumulated Sick Leave	1,150	1,150	1,579		1,579
0104	Employee Benefits	21,000	17,000	29,205		29,205
0105	Sick Leave Payments	17,400	23,360	14,662		14,662
0106	Worker's Compensation	1,400	1,400	1,973		1,973
0111	Communications	10,600	13,330	17,250		17,250
0115	Utilities	8,600	7,730	9,000		9,000
0118	Chargeback - Maintenance Management	3,400	1,934	3,600		3,600
0119	Pavement Cut Restoration	315,000	315,000	300,000		300,000
0120	Standby and Trouble Call	56,500	48,170	59,910		59,910
0125	Motor Vehicle Operation	6,000	6,000	6,000		6,000
0127	Protective Clothing	17,300	16,515	18,000		18,000
0128	Safety Equipment	5,000	3,350	1,850		1,850
0131	Equipment Maintenance	15,000	12,100	15,000		15,000
0133	Buildings & Grounds Maintenance	26,700	26,574	50,397		50,397
0173	Replacing Tools & Equipment	47,500	49,500	55,125		55,125
0194	On-The-Job Training	14,700	10,040	54,556		54,556
		763,300	745,436	879,368		879,368
						15.21%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
8329	DISTRIBUTION SYSTEM			
01	Salaries & Benefits	288,680	Salaries and wages for the administrative staff of the water works distribution systems maintenance group and non-operational function such as union business, compassionate leave, and foremen administrative time.	
			Sick Leave	1,578.64
			Sick leave payments for employees retiring: R. Mills and V. Mattiliano	14,661.84
			Employee Benefits	29,204.78
			Worker's Compensation	1,973.30
			Increase due to reallocation of staff.	
11	Communications	17,250	Water Works share of providing 24 hour telephone service by City Clerk's Dept. and cost of phones in various maintenance yards not on the central system.	10,600
			Maintenance of radios.	3,150
			Convert frequency of radios to water & sewer	3,500
				17,250
15	Utilities	9,000	Water Works share of heating and lighting costs at the Stoney Creek, Dundas and Mountain yards.	
18	Maintenance Management	3,600	Computer and systems charges related to the maintenance management system.	
19	Pavement Cuts	300,000	Monies required for the repair of pavement cuts. The cost for final repair of pavement cuts made in any year will be invoiced the year following, and in order to finance this type of procedure the amount requested as the absolute minimum as in previous years.	
20	Standby & Trouble Call	59,910	Water Works share of monies required for the payment of emergency standby and trouble call allowances for two employees and one Foreman on after hours standby and call on	

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
			week nights, weekends and holidays.	
25	Motor Vehicle Operation	6,000	Vehicle charges for 3 units used by administration personnel @ \$4000 per unit per year. 50%	6,000
27	Protective Clothing	18,000	Monies required for the provision of uniforms, protective clothing, rubber boots, safety boots and personal equipment for members of the Water Works maintenance group.	
28	Safety Equipment	1,850	Water Works share of: - 1 Tri Gas Detector to act as a spare unit while units are repaired. 50%	1,500.00
			- Linesman's safety gloves to be used in areas containing voltage wires. 4 pairs at \$175.00 per pair. 50%	350.00
				1,850.00
31	Equipment Maintenance	15,000	Monies required for the repair and maintenance of Water Works tools and equipment other than vehicles, backhoes, and air compressors.	
33	Buildings and Grounds Maintenance	50,397	Water Works share (50%) of monies required for maintaining office floors, grounds and building equipment at the various yards.	35,397
			Funds required for site improvements at the Dundas Maintenance Facility	15,000
				50,397
73	Replacement Tools and Equipment.	55,125	Funds required for the replacement of worn out tools and additional equipment.	
			REPLACEMENT	
			1. 4 concrete breakers (Thor #125 model 23525 A or equivalent) to replace worn units. 50%	5,000

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
			2. 1 soil compactor to replace worn out unit. 50%	1,600
			3. 3 pipe locators for valve trucks (2) and investigator's truck.	5,000
			4. 3 sets of geophones to replace units which are no longer accurate.	600
			5. 1 air blower to replace worn out unit. 50%	375
			6. 2 small electric pumps for hydrants.	500
			7. 1 set of flood lights for night work. 50%	250
			8. 2 sets of rigid pipe cutters (1 - 6" & 1 - 8") to replace worn out units.	1,000
			9. 6 Aqua locators (depth needles) to replace old sets.	1,500
			10. Items which are unknown at this time.	6,300
			NEW	
			11. 1 self-contained mobile work units to replace trailers beyond repair. 70%	21,000
			12. 3 hydraulic lifting booms (2 for valve trucks & 1 hydrant repair truck.)	12,000
				55,125
94	Training	54,556	Funds required for the training of staff in regards to safety procedures (107 men for 2 hours, 4 times per year).	25,800
			Funds required for the training of staff in regards to maintenance procedures.	28,756
				54,556

ACTIVITY COST SUMMARY

PROGRAM : WATER WORKS

ACTIVITY : DISTRIBUTION SYSTEM MAINTENANCE

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
8329-	EXPENDITURES						
5000	Watermain Repairs	610,880	691,630	693,299		693,299	
6000	Valve Maintenance	486,570	419,820	414,860		414,860	
7000	Hydrant Maintenance	280,960	251,380	271,876		271,876	
8000	Private Service Maintenance	650,330	698,070	726,097		726,097	
9000	Inspect System	304,360	393,230	319,508		319,508	
		2,333,100	2,454,130	2,425,641		2,425,641	3.97%
Total Maintenance Expenditures		2,333,100	2,454,130	2,425,641		2,425,641	3.97%
Total Distribution System Expenditures		3,096,400	3,199,566	3,305,009		3,305,009	6.74%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
8329				
5000	Watermain Maintenance	693,299	Monies required for the repair of watermain leaks, breaks and flushing of mains plus the disposal of excavated material.	
			Salaries	374,763
			Equipment	141,646
			Supplies	135,383
			Contractual Services	41,507
				693,299
6000	Valve Maintenance	414,860	The following work will be required during 1986:	
			1. Work all valves in the system at least once - approx. 11,950 valves.	185,172
			2. Renew valves and replace assemblies as required.	109,416
			3. Rebuild approximately 55 chambers.	59,457
			4. Reset approximately 130 frames and covers.	60,816
			Salaries	300,653
			Equipment	48,977
			Supplies	28,882
			Contractual Services	36,349
				414,860
7000	Hydrant Maintenance	271,876	The following work will be required during 1986:	
			1. To recondition 400 hydrants.	79,080
			2. To repair 1146 hydrants on location.	51,483
			3. Flow test and paint hydrants.	38,639
			4. Monies required for the inspection of all hydrants plus follow up inspections for frost as required during the winter. The thawing of 175 hydrants if required.	102,675

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
			Salaries	227,677
			Equipment	19,157
			Supplies	24,832
			Contractual Services	212
				271,876
8000	Private Service Maintenance	726,097	1. We expect to be required to thaw a minimum of 20 Water Services but the total required will depend on the severity of the winter.	3,838
			2. Monies required to turn water off and on as requested. (2500 requests)	85,576
			3. Clean, paint, and overhaul 18 drinking fountains. Repair damage while in service and maintain chambers and drains.	4,378
			4. Cost to inspect, repair, abandon and maintain approximately 4700 Water Services.	632,305
			Salaries	538,632
			Equipment	106,422
			Supplies	62,685
			Contractual Services	18,357
				726,097
9000	Inspection of System	319,508	1. Monies required for the investigation of approximately 2800 water related complaints.	93,206
			2. Funds required to locate some 6000 services as requested through the "BUD" system.	145,500
			3. Monies required to maintain road cuts prior to final restoration and to restore lawn cuts. (1650)	75,893
			4. 50% share of the cost to renew 6 services currently serviced on a common line.	4,909

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
			Salaries
		261,308	
			Equipment
		42,161	
			Supplies
		13,834	
			Contractual Services
		2,205	
		-	
		319,508	

ACTIVITY COST SUMMARY

PROGRAM : WATER WORKS

ACTIVITY : FINANCIAL EXPENSES

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET
8328-	EXPENDITURES					
0143	Debenture Debt	6,816,000	6,816,000	7,197,000		7,197,000
0145	Contribution to Capital Program	2,485,290	2,485,290	2,497,714		2,497,714
0140	Discounts Allowed	535,000	560,000	260,000		260,000
0150	Chargeback-Billing Coll. & Capital	276,350	276,350	258,200		258,200
0152	Chargebacks-Meter Operations	1,017,960	1,010,000	1,058,700		1,058,700
		11,130,600	11,147,640	11,271,614	0	11,271,614
Total Expenditures		11,130,600	11,147,640	11,271,614	0	11,271,614

1.27%

1.27%

SEWAGE WORKS

REGIONAL MUNICIPALITY OF HAMILTON-WRNTWORTH
1986 CURRENT BUDGET

DEPARTMENT: ENGINEERING
PROGRAM: SEWAGE WORKS

STATEMENT OF PURPOSE:

To collect and treat domestic, commercial and industrial sanitary sewage to meet effluent quality objectives established by the Ministry of the Environment

OBJECTIVES:

To provide continuous uninterrupted operation of gravity sewer collection system, sewage pumping stations and three sewage treatment plants.

To protect and/or improve the aquatic environment of the natural waterways receiving the discharges from the Regional treatment facilities.

To meet or exceed the following effluent criteria established by the Ministry of the Environment for the three sewage treatment plants:

	Hamilton	Dundas	Waterdown
	-----	----	-----
Suspended Solids (mg/l)	15	5	2
B.O.D.5 (Biochemical Oxygen Demand) (mg/l)	15	5	2
Phosphorous (mg/l)	1.0	0.5	0.5
Total Nitrogen (mg/l)	---	1.0	---

DEPARTMENT: ENGINEERING - SEWAGE WORKS

DEPARTMENT SUMMARY

PROGRAM : EXPENDITURE SUMMARY

EXPENDITURES - GROSS	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
ADMINISTRATION	618,600	587,061	661,100	0	661,100	6.87%
GENERAL EXPENSES	1,540,600	1,578,266	1,783,600	0	1,783,600	15.77%
SEWAGE PUMPING STATION	316,700	280,912	349,845	(7,000)	342,845	8.26%
SEWAGE TREATMENT	6,070,200	6,152,575	6,164,659	0	6,164,659	1.56%
SEWER MAINTENANCE	713,100	715,266	770,092	0	770,092	7.99%
TOTAL OPERATING EXPENSES	9,259,200	9,314,080	9,729,296	(7,000)	9,722,296	5.00%
FINANCIAL EXPENSES	12,573,200	12,610,858	12,911,000	0	12,911,000	2.69%
TOTAL EXPENDITURES	21,832,400	21,924,938	22,640,296	(7,000)	22,633,296	3.67%
REVENUES - GROSS						
0199 CHARGEBACKS TO LAND DRAINAGE	68,400	68,400	71,100		71,100	3.95%
4500 SEWER RATE - METERED	13,623,000	13,775,000	13,855,000		13,855,000	1.70%
4600 SEWER RATE - NON-METERED	5,293,000	5,243,000	5,401,000		5,401,000	2.04%
4800 SEWER RATE - EXCESS SEWAGE FLOW	260,000	321,000	312,000		312,000	20.00%
4801 SEWER RATE - WATER TREAT PLANT	300,000	300,000	200,000		200,000	-33.33%
5000 LOCAL IMPROVEMENT-RECOVERIES	800,000	782,100	1,071,000		1,071,000	33.88%
5100 LICENSES AND PERMITS	110,000	113,000	115,000		115,000	4.55%
5780 SALE OF STEAM	223,000	121,200	135,269		135,269	-39.34%
6210 PROVINCIAL SUBSIDIES	1,155,000	1,155,000	1,172,300		1,172,300	1.50%
CONTRACTED SERVICES - HALTON SLUDGE	0	0	100,000		100,000	N/A
6220 TRANSFER FROM RESERVES	0	0	200,627		200,627	N/A
TOTAL REVENUES	21,832,400	21,878,700	22,633,296	0	22,633,296	3.67%
	0	46,238	7,000	(7,000)	(0)	N/A

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Administration

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9321	ADMINISTRATION		
01			
01	Salaries & Wages	510,000	Salaries, wages & benefits of existing administrative staff attributable to sewage works.
03	Accumulated Sick Leave	5,100	
04	Benefits	92,500	
05	Sick Leave Payments	14,000	Funds required because of employees retiring. - G. Stone - R. Brunt
06	Workers' Compensation	6,300	
12	Advertisements	1,000	Cost of advertisements for personnel, By-Laws, etc., related to Sewage Works.
21	Office Supplies	12,500	Sewage Works portion of office supplies, printing, photo copying, and drafting supplies for the year.
27	Protective Clothing	1,700	Supply of safety boots and uniforms to foremen and employees as per union agreement.
33	Office Equipment Maintenance	500	Repairs to office chairs and equipment, sewer maintenance offices.
71	Office Equipment	6,000	Purchase of computer/word processor for specification section of the department.
98	Payments	3,700	This account includes payment for sewers undercrossing railways and sewer easements.

ACTIVITY COST SUMMARY

PROGRAM : SEWAGE WORKS
 ACTIVITY : GENERAL EXPENSES

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
9322-	EXPENDITURES						
0111	Communications	8,285	10,387	10,500		10,500	
0142	Chargeback-Insurance	117,630	117,630	235,300		235,300	
0145	Property Taxes	531,000	568,748	606,000		606,000	
0149	Chargebacks-Accts. & Audit	49,940	49,940	79,000		79,000	
0151	Chargeback-Legal Services	10,000	10,000	10,400		10,400	
0152	Chargeback-Personnel Services	28,990	28,990	30,200		30,200	
0160	Chargeback-Purchasing	32,415	32,215	22,300		22,300	
0185	Chargeback-Telephone Service	16,250	16,250	16,900		16,900	
0186	Chargeback- Accommodation	43,770	43,770	42,300		42,300	
0187	Chargeback-Rent	23,300	26,245	25,200		25,200	
0189	Computer Charges	2,500	2,850	3,000		3,000	
0200	Prelim. Eng. & Records Management	15,000	16,000	15,000		15,000	
0300	Inspection-Private Drains Installed	103,500	106,992	120,000		120,000	
0400	Maint. of Sewer Easements & Records	12,500	10,400	12,500		12,500	
0500	Private Drain Connection Repairs	180,000	167,706	180,000		180,000	
0800	Checking Plans	8,000	7,980	9,000		9,000	
0900	Investigating Complaints	5,000	4,225	6,000		6,000	
1000	Technical Services	25,000	30,418	30,000		30,000	
1100	Chargeback-Industrial Waste Control	317,520	317,520	320,000		320,000	
0198	Provision for Equipment	10,000	10,000	10,000		10,000	
		1,540,600	1,578,266	1,783,600	0	1,783,600	15.77%
Total Expenditures		1,540,600	1,578,266	1,783,600	0	1,783,600	15.77%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: General Expenses

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9322	GENERAL EXPENSES		
01			
11	Communications	10,500	Cost of telephones in sewer maintenance section, S.T.P. and Pumping Stations which phones are not on main Regional system.
42	Insurance	235,300	General and Environmental Insurance for sewer properties, plants, pump stations, etc. Insurance rates have doubled since last year.
45	Property Taxes	606,000	Property tax for Sewer Works properties, plants, Pumping Station, etc. Increase because of new facilities at Woodward Avenue S.T.P.
49	Accounting and Auditing	79,000	Sewage Works share of accounting and auditing service provided by the Regional Finance Department.
51	Legal Services	10,400	Sewage Works share of legal services provided by Regional Solicitors department which services cannot be charged to a specific project account.
52	Personnel Services	30,200	Sewage Works share of personnel services provided by Regional Personnel Department.
60	Purchasing	22,300	Sewage Works share of purchasing services and stores charges provided by the City of Hamilton Purchasing Department.
85	Telephone Service	16,900	Sewage Works share of Regional telephone system.
86	Accommodations	42,300	Sewage Works share of rental and operating costs for Hamilton City Hall.
87	Rent	25,200	Sewage Works share of renting facilities other than Hamilton City Hall. - 125 Barton Street West, Hamilton - Queenston Road West, Stoney Creek - Dundas P.U.C.

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: General Expenses

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
89	Computer Charges	3,000	Sewage Works share to cover the cost of rental of the computer inquiry system from the City, charges associated with the Wang Processor and to cover the cost of maintenance and supplies for the department's computers.
98	Provision for Equipment	10,000	This account was established to create a reserve to purchase replacement equipment.
0200	Preliminary Engineering & Records Management	15,000	<ol style="list-style-type: none"> Salaries & wages of employees which salaries cannot be charged to a specific project. 10,000 Sewage share of Consulting Services for records management system. 5,000
0300	Inspection - Private Drains	120,000	Required amount to cover cost of salaries & benefits and motor vehicle operation for the inspection of private drains installed by contractors. Increase due to overtime now paid to inspectors who previously received lieu time.
0400	Maintenance - Sewer Easements	12,500	<ol style="list-style-type: none"> Charges for cleaning, cutting weeds, etc., on sewer easements. 2,500 Investigation and re-registration of easement agreements which may expire because of legislation restriction 10,000
			12,500
			Note: This project may be eligible for Provincial Funding.
0600	Private Drain Repairs	180,000	Region is responsible for repair of private drain connection from street line to the main sewer.
0800	Checking Plans	9,000	Cost of checking plans and counter work, which work is performed by drafting personnel whose salaries are distributable. More of

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: General Expenses

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0900	Investigating Complaints	6,000	the general public are requesting information. Salaries for distributable salaried employees investigating sewer complaints. The department is receiving more complaints from Councillors and the general public.
1000	Technical Services	30,000	T.V. sewer inspection: Service required to assess condition of existing systems for reconstruction purposes. The road program has increased and requires more T.V. sewer inspections.
1100	Industrial Waste Control	320,000	Laboratory charges for operation of Industrial Waste Control.

ACTIVITY COST SUMMARY

PROGRAM : SEWAGE WORKS

ACTIVITY : SEWAGE PUMPING STATIONS

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
9324-	EXPENDITURES						
0101	Salaries and Benefits - Operations	10,600	10,600	53,071		53,071	
0102	Salaries and Benefits - Maintenance	157,200	157,200	161,774		161,774	
0103	Accumulated Sick Leave	1,400	1,400	1,800		1,800	
0106	Workers' Compensation	4,100	4,100	4,600		4,600	
0113	Water/Sewer Charges	1,100	2,390	2,000		2,000	
0114	Electricity	63,300	46,890	52,200		52,200	
0115	Fuel	5,500	4,025	5,200		5,200	
0125	Motor Vehicle Operation	5,000	5,000	10,900		10,900	
0131	Equipment Maintenance	23,800	16,610	17,800		17,800	
0132	Horticultural Services	5,300	5,225	4,000		4,000	
0133	Building & Ground Maintenance	28,400	16,522	28,400		28,400	
0161	Sewage Haulage	7,000	6,950	7,000	(7,000)	0	
0175	New Equipment	4,000	4,000	1,100		1,100	
		316,700	280,912	349,845	(7,000)	342,845	8.26%
Total Expenditures		316,700	280,912	349,845	(7,000)	342,845	8.26%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Pumping Stations

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
9324	SEWAGE PUMPING STATIONS			
01				
01	Salaries & Benefits - Operations	53,071	Salaries and Wages Benefits Reallocation of labour from treatment plant operations to pumping stations.	45,975 7,095 53,071
02	Salaries & Benefits - Maintenance	161,774	Salaries and Wages Benefits	137,785 23,989 161,774
03	Accumulated Sick Leave	1,800	1% of salary related expenditures toward the Regional sick leave liability	
06	Worker's Compensation	4,600	3% of wage and 1.25% of salary expenses	
13	Water/Sewer Charges	2,000	No increase in rate.	
14	Electricity	52,200	Electricity for sewage pumping stations, and diesel fuel for standby generators. 3% rate increase anticipated.	
15	Fuel	5,200	Natural gas for heating.	
31	Equipment Maintenance	17,800	Routine maintenance of electrical and mechanical equipment	
32	Horticultural Services	4,000	Horticultural services at various Sewage Pumping Stations.	
33	Buildings and Grounds Maintenance	28,400	1. Routine maintenance 2. Safety measures per Ministry of Labour 3. Fencing 4. Sanitary facilities	10,300 4,000 4,000 28,400
75	New Equipment	1,100	Weed Eater C Seem Safety Harness	300 800

ACTIVITY COST SUMMARY

PROGRAM : SEWAGE TREATMENT
 ACTIVITY : WOODWARD AVENUE S.T.P.

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
9325-	EXPENDITURES						
0101	Salaries and Benefits - Operations	1,876,800	1,876,800	1,662,347		1,662,347	
0102	Salaries and Benefits - Maintenance	982,800	982,800	1,218,064		1,218,064	
0103	Accumulated Sick Leave	20,200	20,200	23,300		23,300	
0105	Sick Leave Payments	20,200	20,200	38,725		38,725	
0106	Workers' Compensation	75,300	75,300	60,100		60,100	
0113	Water/Sewage Charge	81,500	86,244	88,800		88,800	
0114	Electricity	817,000	899,438	921,766		921,766	
0115	Fuel	400,000	476,995	225,000		225,000	
0119	Chargeback-Laboratory	150,000	150,000	154,457		154,457	
0123	Chemicals	308,600	290,100	304,951		304,951	
0125	Motor Vehicle Operation	36,000	36,000	40,800		40,800	
0127	Protective Clothing	15,000	19,351	24,500		24,500	
0131	Equipment Maintenance	280,000	259,578	281,000		281,000	
0132	Horticultural Services	20,000	18,710	20,000		20,000	
0133	Buildings & Grounds Maintenance	103,600	86,732	103,600		103,600	
0161	Ash, Grit & Sludge Disposal	80,000	70,170	65,700		65,700	
0175	Operating Equipment - New	27,000	26,833	27,000		27,000	
		5,294,000	5,395,451	5,260,111	0	5,260,111	-0.64%
Total Expenditures		5,294,000	5,395,451	5,260,111	0	5,260,111	-0.64%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Sewage Treatment

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
9325	SEWAGE TREATMENT PLANT (Woodward Avenue)			
01				
01	Salaries & Benefits - Operations	1,662,347	Salaries and Wages Benefits Negative increase attributed to staff reductions.	1,433,347 229,000 ----- 1,662,347
02	Salaries & Benefits - Maintenance	1,218,064	Salaries and Wages Benefits Increase attributed to additional maintenance staff.	1,037,440 180,625 ----- 1,218,064
03	Accumulated Sick Leave	23,300	1% of salary related expenditures towards the Region's sick leave liability.	
05	Sick Leave Payments	38,725	Sick leave payments to employees retiring in 1986. E. Brander J. Curtis C. Maling	
06	Workers' Compensation	60,100	3% of wage and 1.25% of salary expenses.	
13	Water/Sewer Charges	88,800	Water purchased from W.T.P. 3% rate increase expected.	
14	Electricity and Generator Fuel	921,766	Electricity for S.T.P. and Nash Road Chlorine Station and diesel fuel for standby power. 4.6% rate increase anticipated. New equipment increased power usage in 1985.	
15	Fuel	225,000	Natural gas for incinerators and boilers. Reduction in gas usage will be realized in 1986 as a result of the installation of new sludge drying equipment	
19	Regional Lab Services	154,457	Regional Laboratory analysis and testing.	
23	Chemicals	304,951	1. 70,000 kg. of polymer @ \$4.20/kg 2. 100 tonnes of chlorine @ \$285/tonne	

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Sewage Treatment

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
			3. Boiler room chemicals	
			4. Deodourizing chemicals	
25	Motor Vehicle Operation	40,800	Cost of operating & maintaining vehicles and equipment at the S.T.P.	
27	Protective Clothing	24,500	Cleaning and replacement of uniforms; purchase of safety boots, parkas, etc.	20,000
			Maintenance Disposable chemical suits	4,500
				24,500
31	Equipment Maintenance	281,000	1. Routine maintenance of general plant electrical & mechanical equipment	99,300
			2. Routine maintenance - Boiler Room	25,700
			3. Safety measures per Ministry of Labour, general plant	16,000
			4. Replacement filter screens	50,000
			5. Incinerator routine maintenance	50,000
			6. Incinerator platform, gratings, and safety improvements	35,000
			7. Implementation of employee suggestions	5,000
				281,000
32	Horticultural Services	20,000	50% of 17 cuts/year @ \$1,100/cut, fertilizer, weed spraying and general horticultural services.	
33	Buildings and Grounds Maintenance	103,600	1. General Plant - Routine Maintenance	37,000
			2. Safety measures per Ministry of Labour	25,000
			3. Flushing valves - final clarifiers	10,000
			4. Outdoor lighting photocells to replace timers	4,000
			5. Repair sewer sluice gates	10,000
			6. Implementation of suggestions	7,600
			7. Incinerator building routine maintenance	5,000
			8. Repair gas condensate line	5,000
				103,600
61	Ash, Grit & Sludge	65,700	1. Removal and disposal of grit and	

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Sewage Treatment

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
	Disposal		screenings. Amount of grit expected to double due to new dumping facility for catch basin cleaner.	6,900
			2. Removal and disposal of ash. 10% increase in ash due to backlog of sludge caused by incinerator construction and digester cleanout	58,800
				65,700
75	New Equipment	27,000	1. 50% of electrical overload tester	1,500
			2. 50% of shaft alignment tester	2,300
			3. 50% of miscellaneous machine tools cutters, chucks, etc.	2,500
			4. 50% of combustion efficiency analyser	1,200
			5. Psychometer	300
			6. 50% of refrigerant charging equipment	600
			7. 50% of personnel lifter	4,000
			8. Diaphragm Pump	3,500
			9. Pressure washer	4,500
			10. Hoses	1,000
			11. 2 Sounder heads	600
			12. Training room	2,000
			13. Vacuum cleaner	2,000
			14. 2 Small Pumps	1,000
				27,000

ACTIVITY COST SUMMARY

PROGRAM : SEWAGE TREATMENT

ACTIVITY : DUNDAS S.T.P.

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
9325-	EXPENDITURES						
0201	Salaries and Benefits - Operations	148,900	148,900	153,280		153,280	
0202	Salaries and Benefits - Maintenance	83,460	83,460	152,258		152,258	
0203	Accumulated Sick Leave	1,900	1,900	2,500		2,500	
0206	Workers' Compensation	5,600	5,600	6,900		6,900	
0213	Water and Sewer Charges	7,500	8,280	7,500		7,500	
0214	Electricity	66,100	49,831	51,000		51,000	
0215	Fuel	10,000	9,382	7,000		7,000	
0219	Chargebacks-Laboratory Services	32,240	32,240	33,199		33,199	
0223	Chemicals	9,000	5,693	3,800		3,800	
0225	Motor Vehicle Operation	9,000	9,000	4,700		4,700	
0227	Uniforms	500	375	500		500	
0231	Equipment Maintenance	31,100	30,348	33,900		33,900	
0232	Horticultural Services	3,000	700	0		0	
0233	Buildings & Grounds Maintenance	18,500	16,437	39,700		39,700	
0239	Nutrient Removal	37,400	44,100	46,500		46,500	
0261	Sludge Disposal	44,000	52,806	35,588		35,588	
0275	New Equipment	5,400	5,576	9,750		9,750	
		513,600	504,628	588,075	0	588,075	14.50%
Total Expenditures		513,600	504,628	588,075	0	588,075	14.50%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Sewage Treatment

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
9325	SEWAGE TREATMENT PLANT (Dundas)			
02				
01	Salaries & Benefits - Operations	153,280	Salaries and Wages Benefits	130,327 22,953
				153,280
02	Salaries & Benefits - Maintenance	152,258	Salaries and Wages Benefits Increase attributed to additional maintenance staff.	129,680 22,578 ----- 152,258
03	Accumulated Sick Leave	2,500	1% of salary related expenditures to Regional sick leave liability.	
06	Workers' Compensation	6,900	3% of wages and 1.25% of salary expenses.	
13	Water/Sewer Rates	7,500	Water charges 3% rate increase. Reduced costs due to change of pump seals.	
14	Electricity	51,000	2.5% rate increase. Canal aeration ceased in 1985 for reduction in consumption.	
15	Fuel	7,000	Supply of gas for building heating. Digester heating ceased.	
19	Regional Lab Services	33,199	Regional Laboratory analysis and testing.	
23	Chemicals	3,800	1. Chlorine - 40 cylinders @ \$77.00/cylinder 2. Masking Agent - 273 litres - \$720 Chlorination reduced to 5 months/year	
27	Protective Clothing	500	Purchase of uniforms, safety boots, parkas, etc.	
31	Equipment Maintenance	33,900	1. Routine maintenance of electrical & mechanical equipment 2. Miscellaneous items required by the Ministry of Labour under the Occupational Health and Safety Act. 3. Replace grit channel outlet trough.	25,300 5,800 2,800

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Sewage Treatment

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
				33,900
33	Buildings and Grounds Maintenance	39,700	1. Routine Maintenance, paint, hardware, lighting supplies, etc.	5,700
			2. Concrete repairs	2,000
			3. Scum Pipe	4,000
			4. Digester roof	1,000
			5. Effluent hydrant	2,000
			6. Site improvement	25,000
				39,700
39	Nutrient Removal	46,500	Purchase of aluminum sulphate for phosphorus removal.	
61	Sludge Disposal	35,588	Removal and disposal 3.0 million gallons of digested sludge.	
75	New Equipment	9,750	1. Lawn Mower	500
			2. Ph Meter	1,500
			3. 2" Submersible pump	750
			4. Fire Hose	1,000
			5. Return sludge flowmeter	6,000
				9,750

ACTIVITY COST SUMMARY

PROGRAM : SEWAGE TREATMENT

ACTIVITY : WATERDOWN S.T.P.

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
9325-	EXPENDITURES						
0301	Salaries and Benefits - Operations	88,100	88,100	93,036		93,036	
0302	Salaries and Benefits - Maintenance	44,500	44,500	95,161		95,161	
0303	Accumulated Sick Leave	1,100	1,100	1,600		1,600	
0306	Workers' Compensation	3,200	3,200	4,300		4,300	
0313	Sewer/Water Charges	200	252	200		200	
0314	Electricity	18,800	19,710	18,270		18,270	
0319	Chargeback-Laboratory Services	32,000	32,000	32,944		32,944	
0323	Chemicals	2,700	1,615	1,764		1,764	
0325	Motor Vehicle Operation	5,000	5,000	4,000		4,000	
0327	Protective Clothing	300	133	1,000		1,000	
0331	Equipment Maintenance	20,000	14,136	21,500		21,500	
0333	Buildings & Grounds Maintenance	11,000	11,000	11,000		11,000	
0339	Nutrient Removal	13,600	11,962	18,698		18,698	
0361	Sludge Disposal	14,300	12,000	10,950		10,950	
0375	New Equipment	7,800	7,788	2,050		2,050	
		262,600	252,496	316,473	0	316,473	20.52%
Total Expenditures		262,600	252,496	316,473	0	316,473	20.52%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Sewage Treatment

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
9325	SEWAGE TREATMENT PLANT (Waterdown)			
03				
01	Salaries & Benefits - Operations	93,036	Salaries and Wages Benefits	79,414 13,621 93,036
02	Salaries & Benefits - Maintenance	95,161	Salaries and Wages Benefits	81,050 14,111 95,161
03	Accumulated Sick Leave	1,600	1% of salary related expenditures towards the Region's sick leave liability.	
06	Workers' Compensation	4,300	3% of wages and 1.25% of salary expenses	
13	Water/Sewer Charges	200	Water rates and sewer surcharge	
14	Electricity	18,270	Electricity for S.T.P. 4% rate increase anticipated.	
19	Regional Lab Services	32,944	Amount required by Regional Laboratory for services during 1985.	
23	Chemicals	1,764	1. Chlorine - 1481 kg. @ \$1.12 per kg. 2. Chlorine residual test chemicals	1664 100 1764
27	Protective Clothing	1,000	Purchase and cleaning of uniforms, boots, etc. for plant operators. Mainly for cleaning rather than purchase.	
31	Equipment Maintenance	21,500	1. Routine maintenance of electrical & mechanical equipment 2. Items required for safety per Ministry of Labour 3. Replace weirs 4. Pipe supports for filter by-pass	10,000 3,500 1,500 6,500 21,500

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Sewage Treatment

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
33	Buildings and Grounds	11,000	1. Routine Maintenance of mechanical and electrical equipment	6,000
			2. External loading platform.	5,000
39	Nutrient Removal	18,698	Purchase of aluminum sulphate for phosphorus removal. 10% price increase anticipated.	11,000
61	Sludge Disposal	10,950	Removal and disposal of digested sludge 100,000,000 gal. x 10.95/1000 gal.	
75	New Equipment	2,050	1. Sample Refrigerator	400
			2. Dolly for Chlorine bottles	300
			3. Nitron Clarifiers	500
			4. Calculator	50
			5. C Seem Safety Harness	800
				2,050

ACTIVITY COST SUMMARY

PROGRAM : SEWAGE WORKS

ACTIVITY : SEWER MAINTENANCE

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET
9329-	EXPENDITURES					
0101	Salaries and Wages	90,500	90,668	110,189		110,189
0103	Accumulated Sick Leave	550	550	744		744
0104	Employee Benefits	10,200	10,305	13,773		13,773
0105	Sick Leave Payments	7,450	10,058	6,284		6,284
0106	Worker's Compensation	700	700	931		931
0110	Telephone Services	10,500	12,211	10,600		10,600
0115	Fuel	8,600	8,600	9,000		9,000
0118	Maintenance Management	3,400	3,400	3,600		3,600
0119	Pavement Cuts	60,000	56,357	60000		60,000
0120	Standby and Trouble Call	14,130	14,130	14,978		14,978
0127	Overalls - Protective Clothing	4,200	4,200	4,200		4,200
0128	Safety Equipment	7,170	7,170	1,850		1,850
0131	Repair Tools and Equipment	9,300	9,300	9,300		9,300
0133	Repairs & Maintenance - Buildings	28,370	28,331	35,397		35,397
0173	Replacement Tools	4,700	4,802	16,225		16,225
0175	Operating Equipment	3,130	3,777	8,000		8,000
2000	Sewer Repairs	43,000	20,390	57,641		57,641
3000	Sewer Cleaning	93,100	44,514	59,332		59,332
4000	Sewer Inspection	101,560	142,048	115,887		115,887
5000	Manhole Repairs	41,600	56,100	54,162		54,162
7000	Combined Sewer Maintenance	170,940	187,655	180,000		180,000
		713,100	715,266	770,092	0	770,092

7.99%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Sewer Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9329	SEWER MAINTENANCE		
01			
01	Salaries, Wages 30% Sewer Share	131,920	Sewer maintenance share of monies required for salaries and wages for maintenance: administrative personnel and non-operational functions such as union business, supervisory time, compassionate leave. Sick leave reserve Employee Benefits Sick Leave payments for employees retiring R. Mills and V. Mattiliano Worker's Compensation
			744 13,773 6,284 931
10	Telephone Services	10,600	Sewage Works share of providing 24 hour telephone service by City Clerk's Dept. and cost of phones in various maintenance yards not on the central system.
15	Utilities and Fuel	9,000	Monies required for the sewer maintenance share of fuel oil, hydro and gas at the Stoney Creek, Dundas and Mountain yards.
18	Maintenance Management	3,600	Computer and systems charges related to the maintenance management system.
19	Pavement Cuts	60,000	Monies required for the repair of pavement cuts associated with sewer maintenance works.
20	Standby & Trouble	14,978	Sewer maintenance share (20%) of monies required for the payment of Emergency Standby and trouble call allowances for two local 5 employees and one Foreman on After Hour Standby and call duty on week nights, weekends and holidays. The foreman is on Standby for the entire Regional area.
27	Protective Clothing	4,200	Monies required for the supply of protective clothing, safety boots, and uniforms to Sewer Maintenance Personnel.

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Sewer Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
28	Safety Equipment	1,850	Sewage works share of: - 1 Tri Gas Detector to act as a spare unit while units are repaired. 50% - Linemen's safety gloves to be used in areas containing voltage wires. 4 pairs at \$175.00 per pair. 50%	1,500.00 350.00 ----- 1,850.00
31	Repair Tools and Equipment	9,300	This amount will be required for the repair of Sewer Maintenance tools and small equipment. Also included are charges to maintain 7 gas detectors in service. (\$900)	
33	Repair & Maintenance Buildings	35,397	Monies required for the sewer maintenance share of maintaining office floors, grounds and building equipment at the various yards.	
73	Replacement Tools and Equipment	16,225	Monies required for the replacement of worn out tools and additional equipment. REPLACEMENT 1. 4 concrete breakers (Thor #125 model 23525 A or equivalent) to replace worn units. 50% 2. 1 soil compactor to replace worn out unit. 50% 3. 1 air blower to replace worn out unit. 50% NEW 4. 1 self contained mobile work units to replace trailers beyond repair. 30% 4. 1 set of flood lights for night work. 50%	5,000 1,600 375 9,000 250 ----- 16,225
75	Operating Equipment	6,000	Vehicle charges for 3 units used by administration personnel at a charge of \$4000 per unit per year. 50%	6,000
2000	Sewer Repairs	57,641	Funds required to repair sewers found	

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Sewer Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
			broken during our inspection process and an amount required to remove excavated material which is stored at various yards.	
			Salaries	19,777
			Equipment	8,077
			Supplies	1,680
			Contracted Services	28,107
				57,641
3000	Sewer Cleaning	59,332	Funds required for: 1. Cleaning of sanitary sewers as required in 1986. 2. To flush and remove sludge from sanitary sewers with high pressure equipment during 1986.	
			Salaries	44,933
			Equipment	14,400
				59,332
4000	Sewer Inspection	115,887	Funds for the investigation of all Sanitary Sewer System Complaints and the routine inspection of Sanitary Sewers to provide information for repair, cleaning and flushing requirements.	
			Salaries	101,167
			Equipment	9,890
			Supplies	4,080
			Contractual Services	750
				115,887
5000	Manholes	54,162	Funds required to maintain and repair sanitary sewer manholes during 1986.	

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Sewer Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
			Salaries 20,754
			Equipment 4,975
			Supplies 9,187
			34,916
7000	Combined Sewers	180,000	This appropriation is required to offset the sanitary sewer share of combined sewer maintenance costs.

ACTIVITY COST SUMMARY

PROGRAM : FINANCIAL EXPENSES

ACTIVITY : FINANCIAL EXPENSES

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
9328-	EXPENDITURES						
0143	Debenture Debt Charges	7,175,000	7,175,000	7,204,000		7,204,000	
0145	Contribution to Capital Program	4,582,170	4,582,170	5,228,000		5,228,000	
0140	Discounts Allowed	535,000	571,058	250,000		250,000	
0150	Billing Coll. & Capital Financing	281,030	282,630	229,000		229,000	
		12,573,200	12,610,858	12,911,000	0	12,911,000	2.69%
Total Expenditures		12,573,200	12,610,858	12,911,000	0	12,911,000	2.69%

STORM SEWERS

(CITY OF HAMILTON)

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH
1986 CURRENT BUDGET

DEPARTMENT: ENGINEERING

PROGRAM: STORM SEWERS - HAMILTON

LAND DRAINAGE

STATEMENT OF PURPOSE

To provide the City of Hamilton with an efficient storm management
system to convey storm water to natural waterways.

OBJECTIVES:

To establish separate storm and sanitary systems.
To minimize basement flooding.
To provide continuous uninterrupted operation of the gravity
sewer system.

DEPARTMENT: ENGINEERING-STORM SEWERS - HAMILTON

DEPARTMENT SUMMARY

PROGRAM : EXPENDITURE SUMMARY

EXPENDITURES - GROSS	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
ADMINISTRATION	68,400	68,400	71,100	0	71,100	3.95%
STORM PUMPING STATIONS	21,000	20,592	34,265	13,250	47,515	126.26%
STORM SEWER MAINTENANCE	305,100	290,749	316,649	0	316,649	3.79%
TOTAL OPERATING EXPENSES	394,500	379,741	422,014	13,250	435,264	10.33%
FINANCIAL EXPENSES	3,457,500	3,457,500	3,678,086	0	3,678,086	6.38%
TOTAL EXPENDITURES	3,852,000	3,837,241	4,100,100	13,250	4,113,350	6.78%
REVENUES - GROSS						
6010 GENERAL SUPPORT GRANT	191,000	191,000	198,600		198,600	1.98%
7510 STORM SEWER SUBSIDY	236,000	236,000	250,000		250,000	5.93%
TOTAL REVENUES	427,000	427,000	448,600	0	448,600	5.06%
TO BE MET BY SPECIAL LEVY	3,425,000	3,410,241	3,651,500	13,250	3,664,750	7.00%

ACTIVITY COST SUMMARY

PROGRAM : STORM SEWERS - HAMILTON

ACTIVITY : ADMINISTRATION

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
3321-	EXPENDITURES						
0198	Administration Charges	68,400	68,400	71,100		71,100	
		68,400	68,400	71,100	0	71,100	3.95%
Total Expenditures		68,400	68,400	71,100	0	71,100	3.95%

ACTIVITY COST SUMMARY

PROGRAM : STORM SEWERS - HAMILTON

ACTIVITY : STORM PUMPING STATIONS

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
3321-	EXPENDITURES						
0802	Salaries and Benefits - Maintenance				11,850	11,850	
0803	Sick Leave Payments				100	100	
0806	Workers' Compensation				300	300	
0813	Water & Sewer Surcharge	2,000	2,727	3,000		3,000	
0814	Electricity	17,000	17,464	18,265		18,265	
0831	Equipment Maintenance	1,000	401	12,000		12,000	
0832	Horticultural Services				1,000	1,000	
0833	Grounds & Buildings Maintenance	1,000	0	1,000		1,000	
		21,000	20,592	34,265	13,250	47,515	126.26%
Total Expenditures		21,000	20,592	34,265	13,250	47,515	126.26%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Storm Pumping Stations & General

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
3321			
0198	Administrative Charges	71,100	This charge includes salaries, supplies, draftings, insurance, etc. associated with land drainage operations.
08			
02	Salaries and Benefits Maintenance	11,850	Salaries 10,000 Benefits 1,850 Significant maintenance activities required at P.S. S-H1 (Parkdale Ave.) 11,850
13	Water and Sewer	3,000	Water and sewer surcharge for Station S-H11. 3% rate increase anticipated.
14	Electricity	18,265	1. 4% increase expected 17,765 2. standby pump 500 18,265
31	Equipment Maintenance	12,000	1. Routine General 1,000 2. Level Control 6,000 3. Pump Overhaul 5,000 12,000
32	Horticultural Services	1,000	Lawn Care
33	Buildings and Grounds Maintenance	1,000	Routine maintenance, paint, hardware, lighting supplies, etc.

PROGRAM : STORM SEWERS - HAMILTON

ACTIVITY COST SUMMARY

ACTIVITY : STORM SEWER MAINTENANCE

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET
3321-	EXPENDITURES					
2000	Sewer Repairs	10,720	2,509	8,977		8,977
3000	Sewer Cleaning	16,770	5,220	16,232		16,232
4000	Sewer Inspection	40,800	46,685	53,459		53,459
5000	Manhole Repairs	31,000	25,030	29,556		29,556
6000	Inlet/Outfall Maintenance	34,710	23,650	28,425		28,425
7000	Private Drain Repairs	160	0	0		0
8000	Combined Sewer Maintenance	170,940	187,655	180,000		180,000
		305,100	290,749	316,649	0	316,649

3 7/8

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Storm Sewer Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
3321			
2000	Sewer Repairs	8,977	<p>This amount will be required to repair 5 storm sewer breaks found during our inspection process.</p> <p>Wages 5,404 Equipment 1,445 Supplies 700 Contract Services 1,428</p> <p>8,977</p>
3000	Sewer Cleaning	16,232	<p>Monies required to clean, flush and remove debris from storm sewers during 1986</p> <p>Wages 11,999 Equipment 4,233</p> <p>16,232</p>
4000	Sewer Inspection	53,459	<p>1) To provide funds for the investigation of complaints relating to the storm sewer system.</p> <p>2) Monies required for the inspection of storm sewers to provide information for repair, cleaning and flushing requirements.</p> <p>Wages 47,049 Equipment 4,479 Supplies 1,932</p> <p>53,459</p>
5000	Manholes	29,556	<p>This amount will be required to maintain and repair storm sewer manholes during 1986.</p> <p>Wages 11,014 Equipment 2,868 Supplies 6,150</p>

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Storm Sewer Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
			Contract Services	9,519
				29,546
6000	Inlets & Outlets	28,425	Funds required to inspect and maintain storm sewer inlets and outlets in the Region.	
			Wages	21,266
			Equipment	4,482
			Supplies	2,678
				28,425
8000	Combined Sewers	180,000	This amount is required to offset the Storm share of combined sewer maintenance costs.	

ACTIVITY COST SUMMARY

PROGRAM : STORM SEWERS - HAMILTON
 ACTIVITY : COMBINED SEWERS MAINTENANCE

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET
9331-	EXPENDITURES					
2000	Expenditures	341,880	375,310	360,000		360,000
7098	Sanitary Sewer Chargeback	(170,940)	(187,655)	(180,000)		(180,000)
7099	Storm Sewer Chargeback	(170,940)	(187,655)	(180,000)		(180,000)
		0	0	0	0	0
Total Expenditures		0	0	0	0	0

N/A

N/A

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Combined Sewer Maintenance

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
9331			
2000	Sewer Repairs		Appropriation for this series of accounts are not required since
3000	Sewer Cleaning		
4000	Sewer Inspection		1. Budget requirements are included in the Sanitary Sewer Series #9329-7000 and in the Storm Sewer Series #3321 8000
5000	Manhole Repairs		2. Daily operating costs for Combined Sewer Maintenance will be charged to this series of accounts and debited by Finance periodically.

ACTIVITY COST SUMMARY

PROGRAM : STORM SEWERS - HAMILTON

ACTIVITY : FINANCIAL CHARGES

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
3321-	EXPENDITURES						
0943	Debenture Debt	1,260,000	1,260,000	1,365,000		1,365,000	
0945	Contribution to Capital Program	2,197,500	2,197,500	2,313,086		2,313,086	
		3,457,500	3,457,500	3,678,086	0	3,678,086	6.38%
Total Expenditures		3,457,500	3,457,500	3,678,086	0	3,678,086	6.38%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Financial Charges

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
3321			
0943	Debenture Debt	1,365,000	Storm sewer debenture debt charge.
0945	Contribution to Capital Program	2,313,086	Contribution to storm sewer Capital Program in accordance with Regional Council's Pay-as-you-go Policy approved by Council on February 1, 1983.

GENERAL

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH
1986 CURRENT BUDGET

DEPARTMENT: ENGINEERING

PROGRAM: GENERAL ADMIN. & EXPENSES

GENERAL ADMINISTRATION AND EXPENSES

STATEMENT OF PURPOSE

- To provide the Department of Engineering with administrative services, typing, and word processing service, mail service, central filing system, issuance of various permits and contracts, supply of protective clothing,
- To prepare and index reports of E.S.C. to Regional Council.
- Public Utilities Co-ordinating Committee.
- Current budget preparation.
- To maintain motor vehicles.
- To provide energy audits.
- Investigation of complaints.

OBJECTIVES

- To provide the services noted above as efficiently and quickly as possible.
- To review the typing workload and make more use of the department's word processor
- To set up systems for improving and monitoring expenditures and revenues included in the Current Budget.

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH
1986 CURRENT BUDGET

DEPARTMENT: ENGINEERING

PROGRAM: SURVEYING

SURVEYS

STATEMENT OF PURPOSE

-To provide an engineering and cadastral survey service for all
Regional Departments and to provide a property management service
for the Department of Engineering.

OBJECTIVES

1. Produce cadastral (legal) survey plans and other documents free from error.
2. Provide engineering survey information when requested on time.
3. Provide mapping information when requested at a minimum cost.
4. Maintain and expand horizontal control networks.
5. Maintain and expand vertical control networks.
6. Process property requirements and ensure property is available on time.
7. Handle taxpayer enquiries in a congenial matter resulting in satisfaction.

Performance Measurement

	1986 (Estimated)
- number of requests for legal surveys	342
- number of legal survey plans, reference plans and expropriation plans prepared	133
- number of legal descriptions written	167
- number of requests for engineering surveys	410
- number of requests for Registry Office information not project-related (manhours)	72
- Total distance of mapping obtained by aerial methods	80
- Total number of horizontal control monuments inspected	3400 metres
- Total number of vertical control monuments inspected	350
- Total number of new H.C. monuments planted	20
- Total number of new V.C. monuments planted	0
- Total number of taxpayer enquiries	0
- Total Manhours	700
- Number of Real Estate transactions performed	284
Total Value	36
October 1, 1984 - September 30, 1985	\$2,070,041.76
- Number of Regional properties leased	27

DEPARTMENT SUMMARY

DEPARTMENT: ENGINEERING

PROGRAM: GENERAL ENGINEERING

EXPENDITURES - GROSS		1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
GENERAL ENGINEERING		1,211,940	1,209,491	1,287,400	75,000	1,362,400	12.41%
REGIONAL LABS		924,880	892,211	978,000	0	978,000	5.74%
SOLID WASTE		10,334,920	10,405,872	10,940,220	40,000	10,980,220	6.24%
ROADS MAINTENANCE		9,267,100	9,564,530	9,474,856	0	9,474,856	2.24%
		21,738,840	22,072,104	22,680,476	115,000	22,795,476	1.86%
RECOVERABLE SERVICES		10,395,800	10,383,396	10,514,200	0	10,514,200	1.14%
TOTAL EXPENDITURES		32,134,640	32,455,500	33,194,676	115,000	33,309,676	1.66%
REVENUES - GROSS							
2400	CITY OF STONEY CREEK - RENT	17,700	17,700	20,000	0	20,000	12.99%
3303	HAMILTON - OVERHEAD RECOVERY	425,800	425,800	571,300	0	571,300	1.17%
3304	PAVEMENT CUT OVERHEAD	30,000	42,000	35,000	0	35,000	16.67%
3305	HAMILTON-MATERIAL TESTING	50,000	58,700	63,600	0	63,600	27.20%
3307	HAMILTON-POLLUTION CONTROL	10,000	10,000	11,000	0	11,000	10.00%
3309	HAMILTON FIRE DEPARTMENT	800	200	900	0	900	12.50%
3310	CONSERVATION AUTHORITIES	7,000	8,400	8,000	0	8,000	1.29%
3320	HAMILTON-NOISE CONTROL BY-LAW	44,000	44,000	59,300	0	59,300	1.77%
4500	SOLID WASTE FEES	2,313,500	2,463,500	2,630,000	0	2,630,000	1.68%
4700	RECOVERABLE SERVICES	10,395,800	10,383,396	10,514,200	0	10,514,200	1.14%
5718	WATERWORKS PURIFICATION	220,620	220,620	232,100	0	232,100	5.20%
5720	SEWAGE WORKS- INVESTIGATIONS	317,520	317,520	320,100	0	320,100	81%
5725	SEWAGE WORKS TREATMENT	214,240	214,240	223,200	0	223,200	1.18%
5760	ENGINEERING-SOLID WASTE	36,500	20,600	37,000	0	37,000	3.37%
5770	HEALTH DEPARTMENT	700	300	800	0	800	1.29%
5920	GENERAL SERV. & SPECIFIC PROJECT	81,000	72,400	85,000	0	85,000	1.17%
5995	GENERAL-PRINTED MATTER, ETC.	23,500	31,700	29,400	0	29,400	1.11%
7500	PROVINCIAL SUBSIDIES - ROADS	1,017,400	4,017,400	1,298,346	0	1,298,346	0.99%
8500	PROVINCIAL SUBSIDIES - FREEWAY	0	0	17,500	0	17,500	N/A
5920	ELECTRICAL RECOVERY - SWARU	0	16,000	8,000	0	8,000	N/A
TOTAL REVENUES		18,106,680	18,682,476	19,164,746	0	19,164,746	1.26%
TO BE MET BY GENERAL LEVY		13,927,960	14,094,004	14,029,930	115,000	14,144,930	1.66%

ACTIVITY COST SUMMARY

PROGRAM : ADMINISTRATION

ACTIVITY : ADMINISTRATION

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
0351-	EXPENDITURES						
0101	Salaries and Wages	778,200	783,708	807,000		807,000	
0103	Accumulated Sick Leave	7,800	7,800	8,100		8,100	
0104	Employee Benefits	140,100	141,603	149,300		149,300	
0105	Sick Leave Payment	11,600	5,735	21,600		21,600	
0106	Workers' Compensation	9,800	9,800	10,100		10,100	
0111	Chargeback-Communications	13,430	13,430	14,000		14,000	
0112	Advertising	1,000	0	1,000		1,000	
0121	Office Supplies and Stationary	19,000	19,981	19,500		19,500	
0123	Microfilming	3,000	3,000	4,000		4,000	
0124	Contract Printing	7,000	7,481	7,000		7,000	
0127	Protective Clothing	3,500	3,530	3,000		3,000	
0131	Office Equipment Maintenance	1,000	261	1,000		1,000	
0171	Office Equipment	2,500	2,481	15,000		15,000	
0175	Survey & Engineering Services Equi	5,500	5,433	7,800		7,800	
0181	Transportation	7,670	7,549	9,000		9,000	
0183	Chargeback-Computer Services	11,000	8,896	12,000		12,000	
0187	Chargeback-Accommodation	42,900	42,900	44,900		44,900	
0194	Staff Training & Conferences	11,500	9,884	12,000		12,000	
		1,076,400	1,073,472	1,146,300	0	1,146,300	6.49%
0308-	REVENUES						
3305	Hamilton-Overhead Recovery	426,800	426,800	571,300		571,300	
3310	Pavement Cut Overhead	30,000	42,000	35,000		35,000	
5995	General-Printed Matter, Etc.	23,500	31,700	29,400		29,400	
	Chargeback-Transportation	60,600	60,600	63,000		63,000	
		539,900	560,100	698,700	0	698,700	29.41%
To Be Met From General Levy		536,500	513,372	447,600	0	447,600	-16.57%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Administration

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0351-01				
01	Salaries, Wages	807,000	Salaries which are distributable to General Administration costs.	
			- Sick Leave Payments to Employees retiring	21,600
			- G. Stone, M. Bunting, D. Matthews	149,300
			- Employee Benefits	10,100
			- Workers' Compensation	
11	Communications	14,000	General Works share of department telephone system.	
12	Advertising	1,000	Cost of advertisements for personnel, road closings, By-Laws, contractors, etc.	
21	Office Supplies	19,500	Supplies for office, drafting and printing costs.	
23	Microfilming	4,000	Continuation of microfilming plans, mounting existing films and indexing.	
24	Contract Printing	7,000	Cost of printing contract. In the past printing costs were charged to specific projects, we now charge \$15.00 for contracts to cover printing and administration. Expected revenue in 1986 - approx. \$6,000	
27	Protective Clothing	3,000	Protective clothing and safety shoes for Survey crews and administrative staff required to visit construction sites.	
31	Maintain Office Equipment	1,000	Routine maintenance of office and telephone equipment.	
71	Office Equipment	15,000	Purchase of 2 computers required by drafting, Public Utilities section and the Commissioner of Engineering.	
75	Survey & Engineering Services Equipment	7,800	Surveys	
			1. Consumables, replacements	1,000
			2. Repairs & Servicing	
			- 3 electronic distance measurers	
			- 10 theodolites & levels	1,600
			3. Safety Equipment - Sewage Gas Detector	2,300

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Administration

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
			4. Radio Equipment maintenance 500
			5,400
			Technical Services Equipment
			Thermometers
			3 - Asphalt 60
			3 - Concrete 60
			4 - Maxi/Mini 80
			2 CCL Air Meters 1,200
			Miscellaneous Equipment
			- heavy duty plastic sampling bags (for granular materials). Concrete scoops, measuring tapes, and cotton & rubber gloves for sampling and testing concrete and asphalt mixes in the field. 400
			Repairs to existing air meters 600
			2,400
81	Transportation	9,000	Amount required for payments to employees using own car for transportation. 3,000
			Rental car pool 6,000
			9,000
83	Computer Services	12,000	To cover the cost of rental of the computer inquiry system from the City, charges associated with the Wang Processor and to cover the cost of maintenance and supplies for the Department's computers.
87	Accommodation	44,900	General Works share of renting office space in Hamilton City Hall.
94	Staff Training & Conf.	12,000	Required to pay for M.T.C. courses and evening courses at McMaster and Mohawk College and other seminars including travel.

		PROGRAM		GENERAL ENGINEERING		
ACTIVITY COST SUMMARY		ACTIVITY		GENERAL EXPENSES		
ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET
0351-	EXPENDITURES					
0142	Chargeback-Insurance	3,640	3,640	7,300		7,300
0200	Investigating Complaints	8,000	8,356	9,000		9,000
0300	Checking Plans	8,000	7,790	8,000		8,000
0400	Public Utilities	34,200	33,666	36,000		36,000
0500	Motor Vehicle Operation	6,000	6,000	7,400		7,400
0600	Prel. Engineering & Records Mngmt.	13,000	15,265	13,000		13,000
0700	Technical Services- Research	12,000	12,261	12,000	75,000	87,000
0800	Horizontal Control	5,500	5,787	5,700		5,700
0900	Legal Surveys	18,000	18,573	18,500		18,500
1000	Bench Marks	4,200	3,467	4,200		4,200
1100	Real Estate Services	1,000	476	1,000		1,000
1200	Aerial Mapping	8,000	8,026	8,000		8,000
1300	Energy Audit and Supplies	4,000	2,712	1,000		1,000
0174	Provision for Equipment	10,000	10,000	10,000		10,000
		135,540	136,019	141,100	75,000	216,100
						59.44%
Total Expenditures		135,540	136,019	141,100	75,000	216,100
						59.44%

Change Column Reflects

Quarter	Annualized
Impact	Impact
\$	\$

0351-0700 - Demonstration project for C.A.D. (Computer Aided Design)
regarding computerized base mapping.

75,000

\$

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: General Engineering

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0351				
0200	Investigating Complaints	9,000	Cost of investigating complaints which work is performed by personnel whose salaries are distributable. Increase due to a greater number of complaints received from Council members and the Public.	
0300	Checking Plans	8,000	Cost of checking plans which work is carried out by personnel whose salaries are distributable.	
0400	Public Utilities	36,000	Region's share of Salary & Benefits of staff checking utility applications and plans, etc. Total cost \$92,000	
0500	Motor Vehicle Operations	7,400	Garage charges for department vehicles, gas, oil, repairs, insurance, depreciation etc. Increase because maintenance of radios now off warranty.	
0600	Preliminary Engineering and Records Management	13,000	1. Amount required for salaries of employees which salaries cannot be charged to specific projects.	8,000
			2. Share of consulting services for Records Management System.	5,000
				13,000
0700	Technical Services Engineering Research	87,000	1. Reference Books	1,500
			2. Material Testing - Testing annual supply materials to assess conformance with Regional Standards.	3,500
			3. Special Studies - Research and investigations into new materials.	5,000
			4. Engineering Reports for a Preventive Maintenance Programme for Regionally Owned Buildings.	2,000
			5. Demonstration project for C.A.D. (computer aided design) re: computerized base mapping.	75,000
				87,000

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: General Engineering

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0800	Horizontal Control	5,700	To cover the costs associated with the maintenance of existing horizontal control monuments in the Region.
0900	Legal Surveys	18,500	To cover legal surveys and costs not related to specific land acquisition projects. It will cover surveys, investigations and other costs related to surveys for all other miscellaneous purchases. It will also cover Registry Office fees and charges, fees for registration of deeds, plans, etc.
1000	Bench Marks	4,200	To cover any costs associated with the maintenance and relocation of existing bench marks in the Region and in the City of Hamilton.
1100	Real Estate Services	1,000	This account to cover Real Estate fees, if any, which cannot be distributed against specific accounts.
1200	Aerial Mapping	8,000	To continue our programme of integrated mapping based on survey control and photogrammetry, and to provide funds to update photography as required, as a basis for mapping.
1300	Energy Audit	1,000	Supplies, and computer charges for energy audit.

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH
1986 CURRENT BUDGET

DEPARTMENT: ENGINEERING

PROGRAM: GENERAL

REGIONAL LABORATORIES

STATEMENT OF PURPOSE

- To provide technical laboratory service to the Department of Engineering and other departments within the Regional Government. This service is also available to all area municipalities.

OBJECTIVES

- To ensure that the citizens have high quality drinking water.
- To ensure quality control of sewage treatment.
- To see that purchased materials, not only meet pre-established specifications, but are of the best quality consistent with cost
- To administer the City of Hamilton Noise By-law and administer the Regional Industrial Waste By-law.

MEASUREMENT OF ACHIEVEMENT

Since the Laboratories are a service organization and therefore do not have direct control over the workload a direct measure of the extent to which the objectives are being achieved is not possible. The fact that it carries out all work brought to it for which it has the equipment and expertise without carrying any undue excess capacity and without any negative feedback in the form of complaints indicates that its objectives are being achieved.

When comparing quoted costs from outside organizations for the type of work done by the Laboratory one sees a factor of about three times the Laboratories' costs, indicating that the service supplied is not only efficient but also economical.

DEPARTMENT: ENGINEERING

PROGRAM COST SUMMARY

PROGRAM : REGIONAL LABS

EXPENDITURES - GROSS	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
ADMINISTRATION	2,500	(10,500)	0	0	0	
WATERWORKS LAB	220,620	216,828	232,100	0	232,100	
SEWAGE TREATMENT CONTROL LABS	214,240	209,780	223,200	0	223,200	
ENGINEERING & MATERIAL TESTING	58,500	55,858	63,600	0	63,600	
INDUSTRIAL WASTES	317,520	297,100	320,100	0	320,100	
GENERAL SERVICE	67,500	80,165	79,700	0	79,700	
NOISE POLLUTION CONTROL	44,000	44,000	59,300	0	59,300	
TOTAL EXPENDITURES	924,880	892,211	978,000	0	978,000	5.74%
REVENUES - GROSS						
3305 HAMILTON-MATERIAL TESTING	50,000	58,700	63,600	0	63,600	
3307 HAMILTON-POLLUTION CONTROL	10,000	10,000	11,000	0	11,000	
3309 HAMILTON FIRE DEPARTMENT	800	200	900	0	900	
3310 CONSERVATION AUTHORITIES	7,000	6,400	8,000	0	8,000	
3320 HAMILTON-NOISE CONTROL BY-LAW	44,000	44,000	59,300	0	59,300	
5718 WATERWORKS PURIFICATION	220,620	220,620	232,100	0	232,100	
5720 SEWAGE WORKS- INVESTIGATIONS	317,520	317,520	320,100	0	320,100	
5725 SEWAGE TREATMENT	214,240	214,240	223,200	0	223,200	
5760 ENGINEERING-SOLID WASTE	36,500	20,600	37,000	0	37,000	
5770 HEALTH DEPARTMENT	700	300	800	0	800	
5920 GENERAL SERV. & SPECIFIC PROJECTS	21,000	11,800	22,000	0	22,000	
TOTAL REVENUES	922,380	904,380	978,000	0	978,000	6.03%
TO BE MET BY GENERAL LEVY	2,500	(12,169)	0	0	0	-100.00%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Administration

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0351-20	This activity provides supervision and common service and supplies for all other activities of the Regional Laboratories. Its cost represents an overhead which is divided proportionally among the other activities.			
75	Equipment	18,000	1. Personal Computer and associated hardware	8,000
			This will complete the changeover of the Laboratory computers to the Wang P.C's.	
			2. Replacement Typewriter	2,000
			The current typewriter in use at the Regional Laboratories is an IBM Selectric which is 13 years old and is subject to frequent repairs. It is proposed to replace it with an Olivetti Model 115 at a cost of \$2,000, including taxes.	
			3. Provision for replacement of current equipment.	8,000
				18,000

ACTIVITY COST SUMMARY

PROGRAM : REGIONAL LABORATORIES

ACTIVITY : WATERWORKS LAB

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
0351-	EXPENDITURES						
2201	Salaries and Wages	116,000	114,677	129,600		129,600	
2203	Accumulated Sick Leave	1,120	1,120	1,300		1,300	
2204	Employee Benefits	18,200	18,099	21,000		21,000	
2206	Workers' Compensation	1,400	1,400	1,600		1,600	
2223	Supplies	17,300	18,163	20,000		20,000	
2298	Chargeback-Lab Administration	68,600	62,369	58,600		58,600	
		220,620	215,828	232,100	0	232,100	5.20%
0311-	REVENUES						
5718	Waterworks Purification	220,620	220,620	232,100		232,100	
		220,620	220,620	232,100	0	232,100	5.20%
To Be Met From General Levy		0	(4,792)	0	0	0	

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Waterworks Laboratory

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0351-22	WATERWORKS LABORATORY		
	This activity provides all analytical and bacteriological services required by the water treatment plant and as required by the Ministry of the Environment. Its costs with overhead is charged to the Environmental Services Section.		
01	Salaries & Wages	129,600	Includes provision for one additional student for four months to cover increased staff vacation entitlement.
23	Supplies	20,000	Laboratory supplies have increased in cost beyond the general inflation rate and so increased provision is required.

ACTIVITY COST SUMMARY

PROGRAM : REGIONAL LABORATORIES

ACTIVITY : SEWAGE TREATMENT CONTROL LABS

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
0351-	EXPENDITURES						
2301	Salaries and Wages	117,000	115,777	130,000		130,000	
2303	Accumulated Sick Leave	1,170	1,170	1,300		1,300	
2304	Employee Benefits	20,040	19,760	21,000		21,000	
2306	Workers' Compensation	1,470	1,470	1,600		1,600	
2323	Supplies	9,250	10,434	11,000		11,000	
2398	Chargeback-Lab Administration	66,310	61,159	58,300		58,300	
		214,240	209,760	223,200	0	223,200	4.18%
0311-	REVENUES						
5725	Sewage Treatment	214,240	214,240	223,200		223,200	
		214,240	214,240	223,200	0	223,200	4.18%
To Be Met From General Levy		0	(4,480)	0	0	0	

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Sewage Laboratory

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0351-23	SEWAGE LABORATORY		
	This activity provides all analytical service required by the sewage treatment plant and as required by the Ministry of the Environment. Its costs with overhead is charged to the Environmental Services Section.		
01	Salaries & Wages	130,000	Includes provision for one additional student for four months to cover increased staff vacation entitlement.
23	Supplies	11,000	Laboratory supplies have increased in cost beyond the general inflation rate and so increased provision is required.

ACTIVITY COST SUMMARY

PROGRAM : REGIONAL LABORATORIES

ACTIVITY : ENGINEERING & MATERIAL TESTING

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
0351-	EXPENDITURES						
2501	Salaries and Wages	31,000	30,021	35,000		35,000	
2503	Accumulated Sick Leave	310	310	350		350	
2504	Employee Benefits	4,700	4,186	5,700		5,700	
2506	Workers' Compensation	390	390	450		450	
2523	Supplies	5,460	5,363	6,000		6,000	
2598	Chargeback-Lab Administration	16,850	15,688	16,100		16,100	
		58,500	55,858	63,600	0	63,600	8.72%
0311-	REVENUES						
3305	Hamilton-Material Testing	50,000	58,700	63,600		63,600	
		50,000	58,700	63,600	0	63,600	27.20%
To Be Met From General Levy		8,500	(2,842)	0	0	0	-100.00%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Engineering Testing

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0351-25	ENGINEERING TESTING		
	This activity provides physical testing of construction materials as required by the Region and the City. Each service performed is charged for on an agreed scale of charges.		
23	Supplies	6,000	Laboratory supplies have increased in cost beyond the general inflation rate and so increased provision is required.

ACTIVITY COST SUMMARY

PROGRAM : REGIONAL LABORATORIES

ACTIVITY : INDUSTRIAL WASTES

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
0351-	EXPENDITURES						
2701	Salaries and Wages	162,700	167,392	172,300		172,300	
2703	Accumulated Sick Leave	1,630	1,630	1,700		1,700	
2704	Employee Benefits	26,400	9,696	28,000		28,000	
2706	Workers' Compensation	2,040	2,040	2,200		2,200	
2723	Supplies	7,750	8,689	8,500		8,500	
2725	Motor Vehicle Operation	13,000	12,074	12,500		12,500	
2727	Protective Clothing	950	956	1,000		1,000	
2761	Spill Control	5,250	2,637	6,000		6,000	
2775	Equipment	6,600	6,590	7,000		7,000	
2798	Chargeback-Lab Administration	91,200	85,396	80,900		80,900	
		317,520	297,100	320,100	0	320,100	0.81%
0311-	REVENUES						
5720	Sewage Works - Investigations	317,520	317,520	320,100		320,100	
		317,520	317,520	320,100	0	320,100	0.81%
To Be Met From General Levy		0	(20,420)	0	0	0	

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Industrial Wastes

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0351-27	INDUSTRIAL WASTES		
	Under this activity two crews regularly sample and check industrial and other effluent and analysis is carried out in the laboratory to determine that sewer by-law requirements are met and if not, suitable action is taken. The cost plus overhead is charged against Industrial Waste Control.		
23	Supplies	8,500	Laboratory supplies have increased in cost beyond the general inflation rate and so increased provision is required.
75	Equipment	7,000	Provision for sampling, safety equipment, etc.

ACTIVITY COST SUMMARY

PROGRAM : REGIONAL LABORATORIES
 ACTIVITY : GENERAL SERVICE

ACCOUNT NUMBER	DESCRIPTION	1986 BUDGET	1986 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
0351-	EXPENDITURES						
2801	Salaries and Wages	49,000	62,818	58,100		58,100	
2803	Accumulated Sick Leave	500	500	600		600	
2804	Employee Benefits	8,400	7,336	10,000		10,000	
2806	Workers' Compensation	600	600	700		700	
2823	Supplies	3,000	3,301	4,000		4,000	
2898	Chargeback-Lab Administration	6,000	5,610	6,300		6,300	
		67,500	80,165	79,700	0	79,700	18.07%
0311-	REVENUES						
3307	Hamilton-Pollution Control	10,000	10,000	11,000		11,000	
5760	Engineering-Solid Waste	36,500	20,600	37,000		37,000	
5920	General Serc.& Specific Projects	21,000	11,800	22,000		22,000	
3309	Hamilton Fire Department	800	200	900		900	
3310	Conservation Authorities	7,000	6,400	8,000		8,000	
5770	Health Department	700	300	800		800	
		76,000	42,400	79,700	0	79,700	4.87%
To Be Met From General Levy		(8,500)	37,765	0	0	0	

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: General Service

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0351-28	GENERAL SERVICE		
	This activity provides an on demand laboratory service as may be required from anywhere within or outside the Region, from government departments and from industry or the general public. A charge is made for each service performed.		
23	Supplies	4,000	Laboratory supplies have increased in cost beyond the general inflation rate and so increased provision is required.

ACTIVITY COST SUMMARY

PROGRAM : REGIONAL LABORATORIES
 ACTIVITY : NOISE POLLUTION CONTROL

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
0351-	EXPENDITURES						
2901	Salaries and Wages	26,000	25,404	36,000		36,000	
2903	Sick Leave Reserve	260	260	0		0	
2904	Employee Benefits	4,700	68	0		0	
2906	Workers' Compensation Reserve	350	350	500		500	
2923	Supplies	3,000	2,738	6,000		6,000	
2981	Rental - Car Pool	1,700	133	1,800		1,800	
2998	Chargeback-Lab Administration	7,990	15,047	15,000		15,000	
		44,000	44,000	59,300	0	59,300	34.77%
0311-	REVENUES						
3320	Hamilton-Noise Control By-Law	44,000	44,000	59,300		59,300	
		44,000	44,000	59,300	0	59,300	34.77%
To Be Met From General Levy		0	0	0	0	0	

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Noise Control

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0351-29	NOISE CONTROL		
	This activity provides the services of a Noise Control Officer, to enforce the City of Hamilton Noise Control By-law. The cost plus overhead is charged to the City of Hamilton.		
01	Salaries & Wages	36,000	This amount is proposed on the assumption that that contract of the current Noise Control Officer will be renewed and no provision for benefits will be required.
23	Supplies	6,000	Includes provision for a new noise meter of a type required under the By-law at a cost of \$3,000.

PROGRAM COST SUMMARY

DEPARTMENT: ENGINEERING

PROGRAM : SOLID WASTE

	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
EXPENDITURES - GROSS						
FORMER LANDFILL SITES	38,800	30,168	29,000	0	29,000	
DISPOSAL SITE - GLANBROOK	51,400	40,001	38,500	0	38,500	
S.W.A.R.U.	125,800	125,391	150,200	0	150,200	
MANAGEMENT SYSTEM - GENERAL	8,319,200	8,421,199	9,072,700	40,000	9,112,700	
TRANSFER STATIONS	220,900	208,081	203,300	0	203,300	
FINANCIAL EXPENSES	1,678,820	1,581,032	1,446,520	0	1,446,520	
TOTAL EXPENDITURES	10,334,920	10,405,872	10,940,220	40,000	10,980,220	6.24%
REVENUES - GROSS						
5920 ELECTRICAL RECOVERIES - SWARU		16,000	8,000		8,000	
4500 SOLID WASTE FEES	2,313,500	2,463,500	2,630,000		2,630,000	
TOTAL REVENUES	2,313,500	2,479,500	2,638,000	0	2,638,000	14.03%
TO BE MET BY GENERAL LEVY	8,021,420	7,926,372	8,302,220	40,000	8,342,220	4.00%

ACTIVITY COST SUMMARY

PROGRAM : SOLID WASTE

ACTIVITY : FORMER LANDFILL SITES

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
0351-	EXPENDITURES						
8714	Electricity	800	685	800		800	
8716	Hydrogeological Monitoring	12,200	4,230	3,000		3,000	
8719	Chargeback - Lab Services	13,800	14,198	14,000		14,000	
8731	Equipment Maintenance	2,000	0	2,000		2,000	
8733	Bldg. Grounds Maintenance	10,000	11,055	4,700		4,700	
8775	New Equipment	0.00	0.00	4500.00		4,500	
		38,800	30,168	29,000	0	29,000	-25.26%
Total Expenditures		38,800	30,168	29,000	0	29,000	-25.26%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Former Landfill Sites

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0351-87				
14	Electrical & Power	800	Electrical power for leachate pumps:	
			- Upper Ottawa	500
			- Ancaster	300
				800
16	Hydrogeological Monitoring	3,000	Consulting Services and report for Upper Ottawa Street Landfill Site.	
19	Laboratory Costs	14,000	Regional lab costs in accordance with the landfill sites monitoring program.	
			- Lab costs	13,200
			- Gas monitoring	500
			- Test supplies & equipment	300
				14,000
31	Equipment Maintenance	2,000	Allowance for repairs and maintenance to the Upper Ottawa and Ancaster leachate collection and pumping systems.	
33	Grounds Maintenance	4,700	Allowance for Upper Ottawa local improvement charge	
75	New Equipment	4,500	Installation of leachate flow metre at the former Upper Ottawa Landfill Site.	

ACTIVITY COST SUMMARY

PROGRAM : SOLID WASTE

ACTIVITY : DISPOSAL SITE - GLANBROOK

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
0351-	EXPENDITURES						
9313	Leachate Removal & Disposal	2,000	0	1,000		1,000	
9316	Hydrogeological Monitoring	6,500	6,181	6,000		6,000	
9319	Chargeback - Lab Services	16,500	10,430	7,200		7,200	
9323	Operating Supplies	1,000	49	500		500	
9333	Bldg. & Grounds Maintenance	6,000	4,740	2,000		2,000	
9342	Insurance	1,410	1,410	2,800		2,800	
9345	Property Taxes	17,990	18,191	19,000		19,000	
		51,400	40,001	38,500	0	38,500	-25.10%
Total Expenditures		51,400	40,001	38,500	0	38,500	-25.10%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

PROGRAM: Solid Waste

ACTIVITY: Glanbrook Site

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0351-93			
13	Leachate Pumping & Removal	1,000	Pumping & Trucking from site manholes to Woodward Avenue S.T.P.
16	Hydrogeological Monitoring	6,000	Consulting services - Annual report 2,000 - Cell inspections 1,500 - Site compaction survey 2,500 ----- 6,000
19	Laboratory Costs	7,200	Regional lab costs for gas monitoring in accordance with approved site monitoring program
23	Operating Supplies	500	Monitoring supplies, i.e. test instrument replacement, batteries.
33	Grounds Maintenance	2,000	Spray and cut weeds outside development area 1,000 Tree replacement resulting from vandalism 1,000 ----- 2,000
42	Insurance	2,800	Property Insurance
45	Property Taxes	19,000	4% increase over 1985

ACTIVITY COST SUMMARY

PROGRAM : SOLID WASTE

ACTIVITY : S.W.A.R.U.

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
0361-	EXPENDITURES						
9733	Building & Ground Maintenance	4,000	2,700	4,500		4,500	
9742	Chargeback - Insurance	18,800	18,800	37,600		37,600	
9745	Property Taxes	103,000	103,891	108,100		108,100	
		125,800	125,391	150,200	0	150,200	19.40%
Total Expenditures		125,800	125,391	150,200	0	150,200	19.40%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

PROGRAM: Solid Waste

ACTIVITY: S.W.A.R.U.

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0357-97				
33	R/M Buildings & Grounds	4,500	General maintenance to plant in accordance with Region - Tricil Agreement	1,000
			Roof leak	3,000
			Siding repairs for deterioration	500
				----- 4,500
42	Insurance	37,600	Property and Boiler Insurance	
			Insurance rates have doubled since last year	
45	Taxes	108,100	Property taxes - 4% increase over 1985	

ACTIVITY COST SUMMARY

PROGRAM : SOLID WASTE

ACTIVITY : GENERAL EXPENSES

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
0351-	EXPENDITURES						
9801	Salaries and Wages	126,900	135,484	89,200		84,206	
9803	Accumulated Sick Leave	1,700	1,700	900		900	
9804	Employee Benefits	19,750	14,517	13,400		13,400	
9806	Workers' Compensation	2,000	2,000	1,100		1,100	
9811	Chargeback-Systems Development	0	0		10,000	10,000	
9812	Advertising	5,000	1,058	2,000		2,000	
9819	Tricil Contract	7,960,000	8,058,375	8,680,700		8,680,700	
9825	Motor Vehicle Operation	4,000	4,000	4,000		4,000	
9842	Insurance	51,850	51,850	103,700		103,700	
9845	Business Taxes	90,000	89,134	96,000		96,000	
9846	Glanbrook Solid Waste Disp. Agree	54,000	61,188	63,700		63,700	
9847	Solid Waste Projects	4,000	1,893	18,000	30,000	48,000	
		8,319,200	8,421,199	9,072,700	40,000	9,112,700	9.54%
Total Expenditures		8,319,200	8,421,199	9,072,700	40,000	9,112,700	9.54%
Change Column Reflects					Budget Impact	Annualized Impact	
0351-9811 - Chargeback for future development of system in the solid waste section.					10,000	2,000	
0351-9847 - Special Waste Day Disposal Program (Pending approval of 50% M.O.E. Subsidy)					60,000	0	

PRELIMINARY FORECAST - EXPENDITURE DETAIL

PROGRAM: Solid Waste

ACTIVITY: General Expenses

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0351-98				
01	Salaries and Wages	104,600	Salaries, wages and benefits for administration of Solid Waste Section.	
11	Chargeback - Systems Development	10,000	Chargeback for future development of systems in this area.	
12	Advertising	2,000	Public information program and Newspaper advertisements. Special waste day and recycling program.	
19	Tricil Contract	8,680,700	Operation of Transfer Stations, Transfer trailers, Regional Landfill Site and S.W.A.R.U. 1985 actual plus 4% plus \$300,000 incremental operating cost related to retrofit.	
25	Motor Vehicle Operation	4,000	Charges for Supervisor's vehicle	
42	Insurance	103,700	Environmental Impairment Liability Insurance	
45	Business Taxes	96,000	Region responsible for business taxes pursuant to Tricil agreement.	
46	Glanbrook Solid Waste Disposal Agreement	63,700	This figure is estimated as per the formula in the Agreement, which is:	
	The Net Solid Waste Levy x Regional Apportionment factor for Glanbrook - \$100,000			
47	Solid Waste Projects	48,000	Third Sector Recycling, Source Separation Program, est. tonnage 3500 tonnes @ \$4.50 Energy Recovery Special Waste Day Disposal Program (Pending approval of 50% M.O.E. subsidy)	16,000 2,000 30,000 ----- 48,000

ACTIVITY COST SUMMARY

PROGRAM : SOLID WASTE

ACTIVITY : TRANSFER STATIONS

ACCOUNT NUMBER	DESCRIPTION	1985	1985		1986	1986	
		BUDGET	PROBABLE ACTUAL	EXISTING	CHANGE	BUDGET	
0351-	EXPENDITURES						
9902	Scale Operations	101,000	92,019	90,500		90,500	
9911	Communications	1,500	1,564	1,600		1,600	
9914	Electricity	14,000	11,775	9,100		9,100	
9923	Operating Supplies	7,660	6,800	7,000		7,000	
9931	Equipment Maintenance	9,700	7,409	8,000		8,000	
9933	Building & Grounds Maintenance	1,000	1,977	1,200		1,200	
9942	Chargeback Insurance	540	540	1,100		1,100	
9945	Property Taxes	81,000	81,497	84,500		84,000	
9975	New Equipment	4,500	4,500	0		0	
		220,900	208,081	203,300	0	203,300	-7.97%
Total Expenditures		220,900	208,081	203,300	0	203,300	-7.97%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

PROGRAM: Solid Waste

ACTIVITY: Transfer Stations

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0351-99				
02	Scale Operation	90,500	Transfer Station Scale operator attendants	
11	Communications	1,600	Transfer Station Scale House telephones	
14	Utilities	9,100	Hydro- for heat and lighting to power scales.	
23	Operating Supplies	7,000	Purchase of weigh tickets and discs.	
31	Equipment Maintenance	8,000	Maintenance of scales, barricades, heaters and air conditioners.	6,000
			Computer supplementary warranty	3,000
				8,000
33	Buildings & Grounds Maintenance	1,200	Repairs and maintenance to:	
			- Scale buildings	800
			- Grounds	400
				1,200
42	Insurance	1,100	Property insurance - scale houses	
45	Property Taxes	84,800	Kenora Transfer Station	34,075
			Mountain Transfer Station	35,575
			Dundas Transfer Station	15,150
				84,800

ACTIVITY COST SUMMARY		PROGRAM	SOLID WASTE			
		ACTIVITY	FINANCIAL EXPENSES			
ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET
0351-	EXPENDITURES					
9613	Sewer Charges	8,100	8,100	8,400		8,400
9643	Debenture Debt - S.W.A.R.U.	796,600	798,812	792,000		792,000
9645	Contribution To Capital Program	736,900	736,900	607,400		607,400
9650	Chargeback - Billing Services	37,220	37,220	18,720		38,720
		1,578,820	1,581,032	1,446,520	0	1,446,520
Total Expenditures		1,578,820	1,581,032	1,446,520	0	1,446,520

-8.38%

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH
1986 CURRENT BUDGET

DEPARTMENT: ENGINEERING

PROGRAM: ROAD MAINTENANCE

ROAD MAINTENANCE

STATEMENT OF PURPOSE

-To provide for the effective maintenance of 575 km of Regional Roads.

OBJECTIVES

- To perform preventive maintenance on street pavement and shoulders including on-street cleaning.
- To maintain the untravelled portion of road allowances, including trees in a clean, healthy and safe condition
- To maintain roadside drainage for the effective removal of storm waters from street surfaces.
- To maintain traffic signals at 280 intersections.
- To maintain street painting and traffic control signing.
- To ensure that Regional Roads are free of snow and ice at a safe acceptable level.
- To perform preventive and remedial maintenance on 347 bridges and large culverts.

DEPARTMENT SUMMARY

DEPARTMENT: ENGINEERING

PROGRAM : ROADS MAINTENANCE

	1985 BUDGET	1986 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
EXPENDITURES - GROSS						
ADMINISTRATION	1,061,700	1,092,830	981,709	0	981,709	
VEHICLE & EQUIPMENT	72,250	70,500	20,000	0	20,000	
MAINTENANCE	8,133,150	8,401,200	8,473,146	0	8,473,146	
TOTAL EXPENDITURES	9,267,100	9,564,530	9,474,856	0	9,474,856	2.24%
REVENUES - GROSS						
CITY OF STONEY CREEK	17,700	17,700	20,000	0	20,000	
7500 PROVINCIAL SUBSIDIES - ROADS	4,017,400	4,017,400	4,298,346	0	4,298,346	
8500 PROVINCIAL SUBSIDIES - FREEWAY	0	0	17,500	0	17,500	
TOTAL REVENUES	4,035,100	4,035,100	4,335,846	0	4,335,846	7.45%
TO BE MET FROM GENERAL LEVY	5,232,000	5,529,430	5,139,010	0	5,139,010	-1.78%

ACTIVITY COST SUMMARY

PROGRAM : ROADS MAINTENANCE

ACTIVITY : ADMINISTRATION

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
0357-	EXPENDITURES						
0101	Salaries and Wages	436,600	453,600	319,307		319,307	
0102	Administration Charges - Other	349,800	394,300	379,325		379,325	
0103	Accumulated Sick Leave	4,400	4,400	2,675		2,675	
0104	Employee Benefits	68,800	66,800	49,496		49,496	
0105	Sick Bank Payments	0	0	3,001		3,001	
0106	Worker's Compensation	4,660	4,660	3,344		3,344	
0111	Communication	41,800	32,200	42,800		42,800	
0114	Heat & Light	37,800	18,000	19,000		19,000	
0119	Maintenance Management	6,900	4,300	8,300		8,300	
0124	Winter Snowfence	10,000	10,200	12,000		12,000	
0125	Motor Vehicle Operation	28,000	28,600	12,000		12,000	
0127	Protective Clothing	9,500	8,500	9,500		9,500	
0142	Insurance	41,040	41,040	82,080		82,080	
0153	Regional Forests	0	12,900	0		0	
0173	Small Tools & Supplies	10,300	3,000	10,500		10,500	
0192	Mileage & Expenses	2,500	1,930	2,500		2,500	
0194	On-The-Job Training	9,600	8,400	25,880		25,880	
		1,061,700	1,092,830	981,709	0	981,709	-7.53%
0310-	REVENUES						
7500	Provincial Subsidies - Roads	252,000	252,000	285,000		285,000	
	City of Stoney Creek - Rent	17,700	17,700	20,000		20,000	
		269,700	269,700	305,000	0	305,000	13.09%
	To Be Met From General Levy	792,000	823,130	676,709	0	676,709	-14.56%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACITIVITY: Administration

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0367-01	ADMINISTRATION			
01	Salaries	319,307	Salaries for administration staff in the Transportation Section, for Foremen who spend approximately 30% of their time on administrative duties, and for Weed Inspection. Decrease due to reallocation of staff.	
02	Administration Charges - Other	379,325	Administration fees for works performed by:	
			City of Hamilton Public Works Department	278,628
			City of Hamilton Traffic Department	67,309
			City of Stoney Creek Public Works Department	29,465
			Town of Dundas Public Works Department	3,923
				379,325
03	Accumulated Sick Leave	2,675	Charge for Sick Leave covering Administrative Staff - 1%	
04	Employee Benefits	49,496	Charge for Region's share of Benefits covering Administrative Staff - 18.5%	
05	Sick Bank Payments	3,001	Sick Leave payments for employees retiring:	
			M. Brenn	226
			A. Ptolemy	2,775
				3,001
06	Worker's Compensation	3,344	Charge for worker's compensation covering Administrative Staff - 1.25%	
11	Communications	42,800	Telephone Charges for 3 District Yards.	4,200
			24 hour emergency dispatch system.	21,100
			Maintenance on radio system. Paid through the vehicle fleet operation in 1985.	13,000
			Motorist aid telephones at 13 locations:	
			7 on Mountain Accesses	
			6 on Burlington Street	4,500
				42,800

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Administration

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
14	Heat & Light	19,000	Furnace maintenance, fuel and power charges for 3 Yards.	
19	Maintenance Management	8,300	Computer charges related to the maintenance management system.	6,000
			Improvements to exiting system	2,300
				8,300
24	Winter Snow Fence	12,000	This represents the replacement of approximately 7,000 metres of worn out snow fence plus posts.	
25	Motor Vehicle Operation	12,000	Funds required to operate administrative vehicles. 3 units @ \$4,000.	
27	Protective Clothing	9,500	Uniforms, hard hats, boots, etc.	
42	Insurance	82,080	All related insurance charges to the Transportation Section.	
53	Regional Forests	0	Transferred to Ministry of Natural Resources	
73	Small Tools and	10,500	Miscellaneous tools and supplies required.	
92	Mileage and Expenses	2,500	Charges for use of private cars and other miscellaneous administrative expenses.	
94	On-the-Job Training	25,880	Training for winter procedures, equipment operators, road schools.	19,524
			Safety training	6,356
			Increase due to accident experience which requires additional training	25,880

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Equipment

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL
0357-08			
73	ADDITIONAL EQUIPMENT	2,000	1 small arc welder to be located at Ancaster Yard.
		8,000	A Yazoo type mower for the Millgrove Yard.
		10,000	Reversible dump box for truck #102
		20,000	

ACTIVITY COST SUMMARY

PROGRAM : ROADS MAINTENANCE

ACTIVITY : EQUIPMENT

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
0357-	EXPENDITURES						
0873	Additional Equipment	72,250	70,500	20,000		20,000	
		72,250	70,500	20,000	0	20,000	-72.32%
	To Be Met From General Levy	72,250	70,500	20,000	0	20,000	-72.32%

ACTIVITY COST SUMMARY

PROGRAM : ROADS MAINTENANCE

ACTIVITY : MAINTENANCE OPERATIONS

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET	
0357-	EXPENDITURES						
1000	Yard & Building	39,300	41,500	46,927		46,927	
1100	Surface Maintenance	2,124,250	2,056,200	2,409,876		2,409,876	
1200	Shoulder Maintenance	211,300	189,100	232,291		232,291	
1300	Roadside Maintenance	715,400	691,200	736,580		736,580	
1400	Drainage Maintenance	677,500	544,900	721,623		721,623	
1500	Safety Devices	1,310,200	1,286,100	1,323,505		1,323,505	
1600	Winter Maintenance	2,680,000	3,350,800	2,677,545		2,677,545	
1700	Special Maintenance	140,900	34,700	74,500		74,500	
1800	Bridges & Culverts	209,000	177,500	224,000		224,000	
1900	General Maintenance	25,300	29,200	26,300		26,300	
		8,133,150	8,401,200	8,473,146	0	8,473,146	4.18%
0310-	REVENUES						
7500	Provincial Subsidies - Roads	3,765,400	3,765,400	4,013,346		4,013,346	
8500	Provincial Subsidies - Freeway	0	0	17,500		17,500	
		3,765,400	3,765,400	4,030,846	0	4,030,846	7.05%
	To Be Met From General Levy	4,367,750	4,635,800	4,442,300	0	4,442,300	1.71%

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Maintenance Operations

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0357-10	YARD & BUILDING MAINTENANCE			
	Housekeeping	12,235	Regular cleaning of grounds and buildings at 3 district yards.	
	Maintenance	26,692	Repairs and maintenance at 3 district yards.	16,192
			Paint vehicle doors at Ancaster Maintenance Yard	4,500
			Replace fuel tank at Stoney Creek yard with a 2000 gallon fiber glass tank.	6,000
				26,692
	Energy Retro-fit Program	8,000	To seal off old exhaust vents, supply hot water tank covers, install timers to outside lights and other minor energy improvements.	
		46,927		

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACITIVITY: Maintenance Operations

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0357-11	SURFACE MAINTENANCE			
	Patching	902,032	Hand patching (potholes)	334,683
			Continuous sections	84,716
			Spray patching	324,383
			Crack sealing	158,250
				902,032
	Resurfacing	606,226	Thin overlays	269,000
			Surface treating	316,479
			General	14,368
			Summer road patrol	6,379
				606,226
	Base Repairs	419,163	Pavement sawing	6,600
			Washout repairs	27,117
			Base repairs	385,446
				419,163
	Sweeping & Flushing	458,225	Sweeping - manual	61,877
			- machine	252,585
			- intersections	11,654
			- pickup	49,948
			Street flushing	82,262
				458,225
	Supervision	24,230		
		2,409,876		

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Maintenance Operations

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0357-12	SHOULDER MAINTENANCE			
	Shoulder Sealing	43,421		
	Shouldering	104,306	Shouldering - continuous sections	65,342
			- spot	38,964
				104,306
	Shoulder Grading & Patching	75,130	Grading - continuous sections	14,826
			- spot	3,646
			Windrow removal	6,797
			Shoulder lowering	4,165
			Shoulder washouts	37,835
			Dust control	7,862
				75,130
	Seeding & Sodding	658		
	Supervision	8,776		
		232,291		

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Maintenance Operations

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0357-13	ROADSIDE MAINTENANCE			
	Grass Cutting	259,145	Tractor mowing	62,747
			Hand cutting - mower	81,399
			- scythe	8,345
			Picnic areas	22,888
			Cultivated areas	10,292
			Roadside lawns	73,475
				259,145
	Chemical Weed Control	24,619		
	Trees & Brush	314,090	Tree - planting	23,201
			- maintenance	20,340
			- trimming	92,832
			- spraying	21,989
			- removal	107,327
			Brush cutting	33,203
			General Arborist	15,199
				314,090
	Debris & Litter Pickup	119,687	Debris pickup - continuous sections	70,160
			- spot	46,750
			Leaf pickup	2,777
				119,687
	Supervision	19,039		
		736,580		

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Maintenance Operations

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0357-14	DRAINAGE MAINTENANCE			
	Ditching	371,393	Mechanical ditching	301,787
			Manual ditch cleaning	2,052
			Mountain access ditching	67,554
				371,393
	Culvert Maintenance & Installation	106,931	Culvert cleaning	50,743
			Culvert placement	31,777
			Entrance culvert replacement	21,357
			Entrance culvert repair	3,054
				106,931
	Catch Basin Maintenance	163,511	Catch basin cleaning - mechanical	59,345
			- manual	10,397
			Catch basin repair	86,955
			Catch basin reconstruction	6,813
				163,511
	Curb & Gutter Maintenance	61,642		
	Supervision	18,147		
		721,623		

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Maintenance Operations

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0367-16	SAFETY DEVICES			
	Lane & Zone Marking	381,835	Lane line marking Special marking	212,833 169,002
				381,836
	Signs	368,223	Installation Replacement Maintenance	65,810 49,452 262,961
				368,223
	Traffic Signal Maintenance	535,022	To maintain traffic signals at 280 intersections.	
	Guide Post/Guide Rails	19,031		
	Barricades	2,225		
	Hazard Light Maintenance	5,000		
	Supervision	12,168		
		1,323,605		

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Maintenance Operations

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0357-16	WINTER MAINTENANCE			
	Snow Plowing	653,112	Flowing continuous sections	357,846
			Flowing & spreading	181,169
			Flowing - spot	49,097
			Winging back	34,454
			General	30,547

				653,112
	Sanding & Salting	1,104,594	Sanding continuous sections	36,833
			Sanding - spot	25,941
			Stockpiling sand & salt	6,385
			Spring cleanup - hand	8,207
			Spring cleanup - mechanical	5,996
			Salting continuous sections	881,973
			Salting - spot	134,209
			Load sand & salt	5,049

				1,104,594
	Snow Fence	188,423	Snow fence erection	121,247
			Snow fence removal	62,786
			Snow fence maintenance	4,390

				188,423
	Winter Drainage	51,160		
	Stand-by Time	21,347		
	Snow Removal	328,625		
	Winter Patrol	251,797		
	Snow Dumps	45,080		
	Supervision	33,507		

		2,677,545		

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Maintenance Operations

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0357-17	SPECIAL MAINTENANCE			
	Ridge Road	6,000	To install Jersey barriers along side of road were guide rail have slipped away.	
	Jerseyville Road	12,000	Regional Road #203 - between Sunnyridge Rd. and Lynden Rd. Widen and seal shoulders plus ditching improvements.	
	Sheffield Road	9,500	Regional Road #535 - between 6th. Concession and the Village of Sheffield. Brush clearing ditching and shouldering.	
	Governor's Road	16,000	Regional Road #299 - west of Lynden Rd. Apply 1000 tonnes of stone to shoulders.	
	York Road	8,000	Regional Road #344 - south of the CNR overpass. Install flexbeam.	
	Freeway Lands	25,000	Maintenance of proposed Freeway lands:	
			2 cuttings of grass	10,000
			Disposal of litter and dumped material	15,000

				25,000

		74,500		

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Maintenance Operations

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0357-18	BRIDGES & CULVERTS			
	Routine Maintenance	42,000	Minor Maintenance: painting of handrails, repair exposed concrete decks, construction of guiderail, debris removal, etc. 88 structures 140 culverts	
	Special Maintenance	182,000	Kenilworth Access - #1502 - Repair and waterproof deck, repair curb and gutter, and replace guiderail.	51,000
			Governor's Road - #3005 - Repair deck and curbs, waterproof deck, repair and extend drainage pipes	31,000
			Trinity Road - #2004 - Repair spalled areas of deck, waterproof deck, provide guiderail and widen approach roadway.	17,000
			Westover Road - #5002 - Repair slab and soffit, waterproof deck and add gabions	15,000
			Campbellville Road - #5005 - Repair slab and soffit, waterproof deck and repair guiderail.	15,000
			Centre Road - #5006 - Repair slab and soffit, waterproof deck, repair guiderail and embankment.	15,000
			Fletcher's Road - #6005 - Repair slab and soffit, waterproof deck and repair guiderail.	17,000
			Mohawk Road - #1094 - Seal joint and raise ends of joint. Reseal cracked relief joint.	6,000
			Kirk Road - #6213 - Repair and waterproof deck.	15,000

PRELIMINARY FORECAST - EXPENDITURE DETAIL

ACTIVITY: Maintenance Operations

ACCOUNT NUMBER	DESCRIPTION	EXPENDITURE AMOUNT	DETAIL	
0357-19	GENERAL MAINTENANCE	26,300	Cost to repair or replace mail boxes damaged by winter maintenance	1,800
			Time for receiving and stock-piling goods and materials at area yards.	3,500
			Time spent to repair small tools - 40 hrs.	1,000
			Time lost due to the breakdown of equipment and time to transport the equipment for repairs.	20,000
				26,300

ACTIVITY COST SUMMARY

PROGRAM : RECOVERABLE SERVICES

ACTIVITY : RECOVERABLE SERVICES

ACCOUNT NUMBER	DESCRIPTION	1985 BUDGET	1985 PROBABLE ACTUAL	1986 EXISTING	1986 CHANGE	1986 BUDGET
0352-	EXPENDITURES					
0600	Legal Surveys	300,000	246,699	275,000		275,000
0800	Electrical	56,800	49,531	55,200		55,200
1400	Reconst. & Local Improvement Works	8,684,000	8,684,000	8,759,000		8,759,000
1000	Road Maintenance Services	250,000	300,000	300,000		300,000
1100	Sewer/Water Maintenance	250,000	225,000	225,000		225,000
1619	Pavement Cuts	750,000	738,139	750,000		750,000
1300	Subdivision Inspection	100,000	140,000	145,000		145,000
1200	Storm Pumping Stations - Dundas	5,000	27	5,000		5,000
		10,395,800	10,383,396	10,614,200	0	10,614,200
						1.14x
0308-	REVENUES					
8000	Recoverable Services	10,395,800	10,383,396	10,614,200	0	10,614,200
		10,395,800	10,383,396	10,614,200	0	10,614,200
						1.14x
To Be Met From General Levy		0	0	0	0	0

TRANSPORTATION

DEPARTMENT:TRANSPORTATION
PROGRAM :REGIONAL ROADS
ACTIVITY :PROGRAM COST SUMMARY

PAGE 1

A. EXPENDITURES-GENERAL (TRANS.)	1985	1985	1986	1986	1986	% INC/(DECR.) TO 1985 BUDGET
	BUDGET	EST. ACT. *	EXISTING	CHANGE	BUDGET	
ADMINISTRATION	680,300	601,916	712,070	44,230	756,300	
RAILWAY CROSSINGS	127,000	127,000	132,600	5,000	137,600	
TRAFFIC ENGINEERING	407,450	440,097	438,133	19,667	457,800	
STUDIES AND GENERAL	131,500	131,500	131,500	165,600	297,100	
MINOR CONSTRUCTION PROJEC	205,000	205,000	205,000	0	205,000	
SUB TOTAL OPERATING	1,551,450	1,505,513	1,619,303	234,497	1,853,800	19.49%
DEBT CHARGES-EXTERNAL	1,940,000	1,945,437	1,811,200	0	1,811,200	
CONTR. TO CAPITAL	2,469,000	2,478,512	2,530,600	0	2,530,600	
TOTAL GENERAL (TRANS.) EXPENDITURES	5,960,450	5,929,462	5,961,103	234,497	6,195,600	3.95%
TOTAL GENERAL (TRANS.) REVENUES	641,500	665,312	665,200	23,500	688,700	7.36%
TOTAL GENERAL (TRANS.) LEVY	5,318,950	5,264,150	5,295,903	210,997	5,506,900	3.53%
B. MAINTENANCE LEVY REQUIRED	5,232,000	4,921,443	5,139,048	0	5,139,048	-1.78%
C. FREEWAY						
FREWAY ADMINISTRATION	0	0	0	67,000	67,000	
FREWAY-FINANCIAL	1,094,000	1,094,000	1,088,800	1,008,000	2,096,800	
REVENUES	0	0	0	117,300	117,300	
FREWAY LEVY	1,094,000	1,094,000	1,088,800	957,700	2,046,500	87.00%
TOTAL GENERAL LEVY REQUIREMENT	11,644,950	11,279,593	11,503,751	1,168,697	12,692,448	9.00%

DEPARTMENT:TRANSPORTATION
PROGRAM :REGIONAL ROADS
ACTIVITY :ADMINISTRATION

PAGE 2

ACCOUNT	EXPENDITURES	1985 BUDGET	1985 EST. ACT.	1984 EXISTING	1984 CHANGE	1984 BUDGET	% INC/(DECR.) TO 1985 BUDGET
0359-0101	SALARIES AND WAGES	438,660	380,000	441,580	31,120	492,700	
0359-0102	ADMIN.CHARGES-HAMILTON	18,330	18,330	19,990	1,370	21,360	
0359-0103	ACCUM.SICK LEAVE	4,350	4,350	4,620	260	4,880	
0359-0104	EMPLOYEE BENEFITS	79,930	56,216	75,800	3,080	78,880	
0359-0106	WORKERS COMP.	5,460	5,460	5,580	200	5,780	
0359-0120	ACCOMMODATION	15,500	15,500	16,200	2,800	19,000	
0359-0121	OFFICE SUPPLIES	3,000	3,000	3,100	400	3,500	
0359-0122	EQUIPMENT MAINT.	0	0	2,800	0	2,800	
0359-0123	COMMUNICATIONS	8,200	8,200	8,900	0	8,900	
0359-0130	CONVENTIONS	700	700	2,000	0	2,000	
0359-0131	STAFF TRAINING AND SEMINA	800	800	1,500	5,000	6,500	
0359-0132	TEC. RESOURCE LIB.	2,500	2,500	2,900	0	2,900	
0359-0144	CHARGEBACK-ACCOUNT, AUDIT	26,650	27,760	27,700	0	27,700	
0359-0145	CHARGEBACK-ENGINEERING	40,600	40,600	43,000	0	43,000	
0359-0146	CHARGEBACK-LEGAL	13,120	16,000	13,800	0	13,800	
0359-1192	MILEAGE AND EXPENSES	2,500	2,500	2,600	0	2,600	
TOTAL		480,300	601,916	712,070	44,230	756,300	11.17%
0319	REVENUES						
0319-5300	ENCROACHMENTS, PERMITS	32,000	46,000	34,000	0	34,000	
0319-5915	HAN. LOCAL ROADS ADMIN.	210,400	210,400	218,000	19,000	237,000	
0319-6000	MUNICIPAL ACTION GRANT	0	0	0	2,000	2,000	
0319-7500	PROVINCIAL SUBSIDIES	134,000	134,000	142,000	0	142,000	
TOTAL		376,400	390,400	394,000	21,000	415,000	10.26%
TO BE MET FROM GENERAL LEVY		303,900	211,516	318,070	23,230	341,300	12.31%

CHANGE COLUMN REFLECTS

		BUDGET IMPACT	ANNUALIZED IMPACT
0101 TO 0106	INCREASE IN STAFF COMPLIMENT AND ASSOCIATED FRINGE BENEFITS FOR 1 GRAPHICS TECHNICIAN (A-6) AND ONE ADDITIONAL CO-OP STUDENT	34,660	54,200
0102	INCREASE IN ACTIVITIES PERFORMED BY CITY OF HAMILTON TRAFFIC DEPARTMENT	1,370	1,370
0120	INCREASE DUE TO TRANSFER OF STAFF TO CITY HALL	2,800	2,800
0131	SPECIALIZED COURSES FOR 2 STAFF	5,000	0

DEPARTMENT:TRANSPORTATION
PROGRAM REGIONAL ROADS
ACTIVITY RAILWAY CROSSINGS

PAGE 3

ACCOUNT	EXPENDITURES	1985 BUDGET	1985 EST. ACT.	1986 EXISTING	1986 CHANGE	1986 BUDGET	% INC/(DECR.) TO 1985 BUDGET
0359-0202	SIGNAL MAINTENANCE	127,000	127,000	132,600	- 0	132,600	
0359-0203	SIGNAL CANTILEVERS	0	0	0	5,000	5,000	
TOTAL		127,000	127,000	132,600	5,000	137,600	8.35%

REVENUES							
0319-7500	PROVINCIAL SUBSIDIES	66,000	66,300	66,300	2,500	68,800	
TOTAL		66,000	66,300	66,300	2,500	68,800	4.24%

TO BE MET FROM GENERAL LEVY		61,000	60,700	66,300	2,500	68,800	12.79%
-----------------------------	--	--------	--------	--------	-------	--------	--------

CHANGE COLUMN REFLECTS

0203 INSTALLATION @ WOODWARD & CNR
CTC BOARD ORDER
REGIONS'S SHARE 12.5%

BUDGET IMPACT	ANNUALIZED IMPACT
------------------	----------------------

\$	\$
----	----

5,000	0
-------	---

DEPARTMENT:TRANSPORTATION
PROGRAM :REGIONAL ROADS
ACTIVITY :TRAFFIC ENGINEERING

PAGE 4

ACCOUNT	EXPENDITURES	1985 BUDGET	1985 EST. ACT.	1986 EXISTING	1986 CHANGE	1986 BUDGET	% INC/(DECR.) TO 1985 BUDGET
0359-0563	FIELD INVESTIGATIONS	0	0	0	19,667	19,667	
0359-0564	TRAFFIC STUDIES	50,100	50,200	49,557	0	49,557	
0359-0565	TRAFFIC COUNTING	136,800	135,043	140,193	0	140,193	
0359-0566	ENERGY AND POLE RENTAL	146,750	146,750	152,650	0	152,650	
0359-0567	DAMAGES NOT RECOVERABLE	74,000	107,304	95,733	0	95,733	
	TOTAL	407,650	440,097	438,133	19,667	457,800	12.30%

REVENUES

0319-7514	PROVINCIAL SUBSIDIES	68,400	68,400	70,100	0	70,100	
	TOTAL	68,400	68,400	70,100	0	70,100	2.49%

TO BE MET FROM GENERAL LEVY	339,250	371,697	368,033	19,667	387,700	14.28%
-----------------------------	---------	---------	---------	--------	---------	--------

CHANGE COLUMN REFLECTS	BUDGET IMPACT	ANNUALIZED IMPACT
0563 CHANGE IN ACTIVITY REPORTING PROCEDURE, INCLUDES STREETS BY-LAW ENFORCEMENT, APPROACH RAMPS & BOULEVARD PARKING APPROVALS	19,667	19,667

DEPARTMENT:TRANSPORTATION
PROGRAM :REGIONAL ROADS
ACTIVITY :STUDIES AND GENERAL ACCOUNTS

PAGE 5

ACCOUNT	EXPENDITURES	1985	1985	1986	1986	1986	X INC/(DECR.) TO 1985 BUDGET
		BUDGET	EST. ACT.	EXISTING	CHANGE	BUDGET	
0359-0601	STRUCTURAL ADEQUACY TESTIN	12,000	12,000	12,000	0	12,000	
0359-0602	MISC. LAND PURCHASES	15,000	15,000	15,000	0	15,000	
0359-0604	SURVEYS	14,000	14,000	14,000	0	14,000	
0359-0605	ENCROACHMENT AGREEMENTS	1,000	1,000	1,000	0	1,000	
0359-0606	ROAD WIDTH ALLOW. STUDY	10,000	10,000	10,000	(10,000)	0	
0359-0607	SKID RESISTANCE TESTING	0	0	0	20,000	20,000	
0359-0608	ESCARPMENT STUDY/DEQ.	0	0	0	20,000	20,000	
0359-0609	MTC TRAVEL SURVEYS	0	0	0	45,000	45,000	
0359-0610	MISC. TRAVEL SURVEYS	0	0	0	20,000	20,000	
0359-0611	TRANSPORTATION MODELING	0	0	0	40,000	40,000	
0359-0612	PAVEMENT MANAGEMENT STUDY	0	0	0	67,600	67,600	
0359-0617	FUNCTIONAL PLAN MAPPING	25,000	25,000	25,000	0	25,000	
0359-0629	PRESENTATION GRAPHICS	500	500	500	0	500	
0359-0630	COMPUTER SERVICES	1,000	1,000	1,000	16,000	17,000	
0359-0635	STRUCTURAL ADEQUACY STUDI	53,000	53,000	53,000	(53,000)	0	
TOTAL		131,500	131,500	131,500	165,600	297,100	125.93%

REVENUES

0319-7500	PROVINCIAL SUBSIDY	10,700	10,700	7,500	0	7,500	
TOTAL		10,700	10,700	7,500	0	7,500	-29.91%

TO BE MET FROM GENERAL LEVY		120,800	120,800	124,000	165,600	289,600	139.74%
-----------------------------	--	---------	---------	---------	---------	---------	---------

CHANGE COLUMN REFLECTS		BUDGET IMPACT	ANNUALIZED IMPACT
0607	TO IDENTIFY THE CORRELATION BETWEEN ACCIDENTS AND PAVEMENT ROUGHNESS	20,000	0
0608	STUDY REQUESTED BY COMMITTEE	20,000	0
0609	A 5% SURVEY OF ALL HOUSEHOLDS WITHIN METRO, HALTON, PEEL, YORK, HAMILTON-WENTWORTH & DURHAM REGIONS, TO PROVIDE CURRENT DATA ON TRAVEL CHARACTERISTICS.	45,000	0
0610	TRAFFIC SURVEYS RELATED TO CORDON COUNTS & TRAFFIC IMPACT STUDIES TO RESPOND TO DEVELOPMENT PROPOSALS	20,000	20,000
0611	DEVELOPMENT OF DEMAND FORECASTING MODEL TO ASSESS IMPLICATIONS OF DEVELOPMENT	40,000	0
0612	TO MAXIMIZE EFFICIENCIES OF ROAD TREATMENT PROGRAMMES	67,600	0
0630	TO PROVIDE FOR UPGRADING OF EXISTING DATABASE SYSTEMS	16,000	0

DEPARTMENT:TRANSPORTATION
PROGRAM :REGIONAL ROADS
ACTIVITY :MINOR CONSTRUCTION PROJECTS

PAGE 6

ACCOUNT	EXPENDITURES	1985 BUDGET	1985 EST. ACT.	1986 EXISTING	1986 CHANGE	1986 BUDGET	% INC/(DECR.) TO 1985 BUDGET
0359-0701	PRELIMINARY ENGINEERING	5,000	5,000	5,000	0	5,000	
0359-0703	MISCELLANEOUS CONSTRUCTIO	200,000	200,000	200,000	0	200,000	
	TOTAL	205,000	205,000	205,000	0	205,000	0.00%

REVENUES

0319-7520	PROVINCIAL SUBSIDY	100,000	100,000	100,000	0	100,000	
	TOTAL	100,000	100,000	100,000	0	100,000	0.00%

	TO BE MET FROM GENERAL LEVY	105,000	105,000	105,000	0	105,000	0.00%
--	-----------------------------	---------	---------	---------	---	---------	-------

DEPARTMENT:TRANSPORTATION
PROGRAM :REGIONAL ROADS
ACTIVITY :FREEWAY ADMINISTRATION

PAGE 7

ACCOUNT	EXPENDITURES	1985 BUDGET	1985 EST. ACT.	1986 EXISTING	1986 CHANGE	1986 BUDGET	% INC/(DECR.) TO 1985 BUDGET
0359-0320	SALARIES AND BENEFITS	0	0	0	55,500	55,500	
0359-0301	ACCOMMODATIONS & EQUIPMENT	0	* 0	0	11,500	11,500	
	TOTAL	0	0	0	67,000	67,000	ERR

REVENUES

0319-7510	SUBSIDY TRANS TO CAPITAL	0	0	0	117,300	117,300	
	TOTAL	0	0	0	117,300	117,300	ERR

TO BE MET FROM GENERAL LEVY	0	0	0	(50,300)	(50,300)	ERR
-----------------------------	---	---	---	----------	----------	-----

CHANGE COLUMN REFLECTS	BUDGET IMPACT	ANNUALIZED IMPACT
TO PROVIDE STARTUP COSTS TO ADMINISTER THE FREEWAY	67,000	110,000

DEPARTMENT:TRANSPORTATION
PROGRAM :REGIONAL ROADS
ACTIVITY :FINANCIAL EXPENSES-SUMMARY

PAGE 8

ACCOUNT	EXPENDITURES	1985 BUDGET	1985 EST. ACT.	1986 EXISTING	1986 CHANGE	1986 BUDGET	% INC/(DECR.) TO 1985 BUDGET
0359-2543	DEBT CHARGES	2,018,000	2,023,437	1,884,000	0	1,884,000	
0359-2545	CONTRIBUTION TO CAPITAL	2,449,000	2,449,000	2,503,300	0	2,503,300	
0359-2546	CONTR. TO FREEWAY RESERVE	1,016,000	1,016,000	1,016,000	1,008,000	2,024,000	
0359-2546	CONTR. TO OVERLOAD RESERV	20,000	29,512	27,300	0	27,300	
TOTAL		5,503,000	5,517,949	5,430,600	1,008,000	6,438,600	17.00%

REVENUES

0319-7610	OVERLOAD AGREEMENTS	20,000	29,512	27,300	0	27,300	
TOTAL		20,000	29,512	27,300	0	27,300	36.50%

TO BE NET FROM GENERAL LEVY	5,483,000	5,488,437	5,403,300	1,008,000	6,411,300	18.93%
-----------------------------	-----------	-----------	-----------	-----------	-----------	--------

2546 FREEWAY RESERVE-CONTRIBUTION IN ACCORDANCE WITH HEARING BOARD APPROVAL
AND REGIONAL COUNCIL ENDORSED FINANCIAL PLAN

DEPARTMENT:TRANSPORTATION
PROGRAM :REGIONAL ROADS
ACTIVITY :FINANCIAL EXPENSES-GENERAL

PAGE 9

ACCOUNT	DESCRIPTION	1985 BUDGET	1985 EST. ACT.	1986 EXISTING	1986 CHANGE	1986 BUDGET	% INC/(DECR.) TO 1985 BUDGET
0359-2543	DEBT CHARGES	1,940,000	1,945,437	1,811,200	0	1,811,200	
0359-2545	CONTRIBUTION TO CAPITAL	2,449,000	2,449,000	2,503,300	0	2,503,300	
0359-2547	CONTRIBUTION TO OVERLOAD	20,000	29,512	27,300	0	27,300	
	TOTAL	4,409,000	4,423,949	4,341,800	0	4,341,800	-1.52%
REVENUES							
0319-7610	OVERLOAD AGREEMENTS	20,000	29,512	27,300	0	27,300	
	TOTAL	20,000	29,512	27,300	0	27,300	36.50%
	TO BE MET FROM GENERAL LEVY	4,389,000	4,394,437	4,314,500	0	4,314,500	-1.70%

DEPARTMENT: TRANSPORTATION
 PROGRAM : REGIONAL ROADS
 ACTIVITY : FINANCIAL EXPENSES-FREEWAY

PAGE 10

ACCOUNT	DESCRIPTION	1985 BUDGET	1985 EST. ACT.	1986 EXISTING	1986 CHANGE	1986 BUDGET	% INC/(DECR.) TO 1985 BUDGET
	DEBT CHARGES	78,000	78,000	72,800	0	72,800	
	CONTRIBUTION TO FREEWAY R	1,016,000	1,016,000	1,016,000	1,008,000	2,024,000	
	TOTAL	1,094,000	1,094,000	1,088,800	1,008,000	2,096,800	91.66%

CHANGE COLUMN REFLECTS

FINANCING REQUIRED FOR FREEWAY

BUDGET IMPACT	ANNUALIZED IMPACT
\$	\$
1,008,000	1,008,000



